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#### CITY OF CHICAGO

ANALYSIS OF

## TRAFFIC FLOW STREET CAPACITY

AND

# RECOMMENDED RUSH HOUR PARKING CONTROLS





ANALYSIS OF
TRAFFIC FLOW
STREET CAPACITY
AND
RECOMMENDED RUSH HOUR
PARKING CONTROLS

Prepared by

BUREAU OF STREET TRAFFIC

in cooperation with

THE CHICAGO TRANSIT AUTHORITY

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#### INTRODUCTION

At the present time there are 291 curb miles of rush hour parking controls in effect within the City. These controls cover sections of important major streets and boulevards where traffic demand could not be accommodated if parking during rush periods was permitted. The growth in vehicular usage requires a constant upgrading of the service provided by our major street system. Providing an additional traffic lane during the more critical periods of the day is an important method for providing this increased service.

Experience shows that when rush hour parking controls are imposed on major traffic carrying streets efficiency in traffic movement increases materially. Studies show that traffic volumes have increased from 20 per cent to over 50 per cent, with a corresponding increase in speed of from 25 per cent to 35 per cent. These improvements have greatly reduced rush period congestion and delays.

The Bureau of Street Traffic made studies of representative shopping districts throughout the City to determine the curb parking demand in these centers between the hours of 4 PM and 6 PM. These studies showed that this demand varied from a low of 0.5 vehicles per retail establishment to a high of 2.0 vehicles. The city wide average curb parking demand, during the evening two hour rush period of 4 PM to 6 PM, was 1.1 vehicles per store.

This report recommends the imposing of rush hour parking controls on 160 additional curb miles of streets. Streets included in this recommended addition are at least as equally important as those now controlled by such parking restrictions and are all operating at levels of traffic congestion that seriously delays many hundreds of people.

The three major criteria used as a basis for establishing the additional rush hour parking controls are:

- In order for a street section to be considered for rush hour parking controls the total number of mass transit passengers traveling along the street section, in one direction, must be 800 or more for the two hour rush period.
- The width of a street section, with cars parked at the curb, must be too narrow to accommodate the number of vehicles attempting to move through the section and an unreasonable amount of delay is created.

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3. On streets with a width of 56 feet or more (capable of accommodating two moving traffic lanes and a parking lane in each direction) the recommendation is to prohibit parking for a distance of 200 feet on both the entrance and exit sides of signalized intersections. On streets less than 56 feet wide (streets not capable of accommodating two moving traffic lanes and a parking lane in each direction) it is recommended that the rush hour parking controls be continuous.

It will be noted that, under these criteria, no sections of streets are included where, although vehicular volumes and street capacity with parking justifies imposition of rush hour parking controls, transit passenger volumes are below 800 in the peak period. In cases where traffic and transit data show justification for prohibiting parking on the same side of the street during both morning and evening rush periods it is recommended that only the most critical period and direction be controlled. In this manner parking will be prohibited on only one side of a street during any rush period. It should be noted that presently posted restrictions are not affected by these additions as other important criteria were met at the time they were installed.

While the removal of parking from one of the curbs will not, in some cases, provide the needed capacity to accommodate all vehicles traveling in the major direction of travel, it is possible to double capacity on streets that have only one moving lane and the removal of parking creates another. In the case of wider streets the addition of a lane for moving traffic will provide lesser percentage increases in capacity. This important increase in traffic capacity will be of inestimable value to Chicago. The great cost of new traffic facilities makes it imperative that present streets be used to their maximum efficiency.

#### This report consists of three sections:

- 1. Recommended Additional Rush Hour Parking Prohibitions.
- Charts of Present and Proposed Rush Hour Parking Controls.
- 3. Basic Analysis of Traffic Flow and Street Capacity.



## RECOMMENDED ADDITIONAL RUSH HOUR PARKING PROHIBITIONS



SUMMARY
RECOMMENDED RUSH HOUR PARKING PROHIBITIONS

			Side of	
Street	From	То	Street	Hours
Addison St.	Meade	200' W.of Oak Park Ave.	South	7-9 AM
			North	4-6 PM
Archer Ave.	47th	Cicero	East	7-9 AM
	0:	A	West	4-6 PM
	Cicero Paulina	Austin Wood	West	4-6 PM
	Wood	vvood 33rd	West East	4-6 PM 7-9 AM
	Western	Pershing	East	7-9 AM
	Western	reisiilig	West	4-6 PM
Armitage Ave.	200' E. of Damen	200' W. of Pulaski	South	7-9 AM
· ····································		200	North	4-6 PM
N. Ashland Ave.	. 200' N.of Irving Pk.	200' S. of Irving Pk.	West	7-9 AM
	•	· ·	East	4-6 PM
	200' N. of Grace	2001 S. of Grace	West	7-9 AM
			East	4-6 PM
	200' N. of Addison	200' S. of Addison	West	7-9 AM
	2001 N (D	00010 (0.1	East	4-6 PM
	2001 N. of Roscoe	200' S. of Belmont	West	7-9 AM
	200' N. of Wellington	200' S. of Wellington	East West	4-6 PM 7-9 AM
	200 N. or Wellington	200 3.01 Wellington	East	4-6 PM
	200' No. of Diversey Ave.	200' S. of Diversey Ave.	West	7-9 AM
		200 200 200 200 7000	East	4-6 PM
	200" N. of Wrightwood	200' S. of Wrightwood	West	7-9 AM
	-	-	East	4-6 PM
	200' N. of Fullerton	200' S. of North Ave.	West	7-9 AN
			East	4-6 PM
	200' N. of Blackhawk	200' S. of Blackhawk	West	7-9 AM
	2001 N of Division	3001 S of Division	East	4-6 PM
	200' N. of Division	200'S. of Division	West East	7-9 AM
	200' N. of Augusta	200' S. of Augusta	West	4-6 PM 7-9 AM
	200 N.O. Augusta	200 3.01 Augusta	East	4-6 PM
	200' N. of Chicago	200' S. of Chicago	West	7-9 AM
			East	4-6 PM
	200' N. of Grand	200' S. of Grand	West	7-9 AM
			East	4-6 PM
	200' N. of Fulton	Lake Street	West	7-9 AM
			East	4-6 PM



Street	From	То	Sine of Street	Hours
S. Ashland Ave	e. Roosevelt Rd.	2001 South of Roosevelt Rd.	East	7-9 AM
			West	4-6 PM
	200' N. of 14th	200° S. of 14th	East	7-9 AM
	3.00 N 13.00	3001 5 of Council	West	4-5 PM
	200' N. of 18th	200°S.of Cermak	East West	4-0 PM
	200' N. of 27th	2001 S. of 27th	East	7~9 AM
	200 N.0127til	200 3.0127611	West	4-5 PM
	200° N. of Archer	2001 S. of Archer	East	7-9 AM
	200 N.O. Alenei		West	4-6 PM
	2001 N. of 33rd	200 S. of 33rd	East	7-9 AM
	200 11.01 2210	en en an en contra monte on	West	4-0 PM
	2001 N. of 35th	200° S. of 35th	East	7-9 AM
			West	4-6 PM
	2001 N. of 37th	200° S. of 37th	East	7-9 AM
			West	4-0 PM
	200' N. of Pershing	2001 S. of Pershing	East	7-9 AM
	•		West	4-6 PM
	41st St.	200' S. of 43rd	East	7-9 AM
			West	4-6 PM
	2001 N. of 45th	200" S. of 48th	East	7-9 AM
			West	4-6 PM
	50th St.	200' S.of 51st	East	7-9 AM
			West	4-6 PM
	2001 N. of 53rd	200° S. of 53rd	East	7-9 AM
			West	4-6 PM
	200' N. of Garfield	200 S. of Garfield	East	7-9 AM
			West	4-6 PM
	200' N. of 57th	200' S.of 57th	East	7-9 AM
			West	4-6 PM
	200' N. of 59th	200' S. of 59th	East	7-9 AM
		20010 6644	West	4-6 PM
	2001 N. of 62nd	200° S.of 64th	East	7-9 AM
		00010 614	West	4-6 PM
	2001 N. of Marquette	200 S. of Marquette	East	7-9 AM
	2001 N - 57 Out	2001 6 -4604	West	4-6 PM
	2001 N. of 69th	200° S. of 69th	East	7-9 AM
	2001 N of 73 of	2001 C of 73 of	West	4-6 PM 7-9 AM
	2001 N. of 71st	200 S. of 71st	East West	4-6 PM
	2001 N. of 74th	2001 S. of 74th	East	7-9 AM
	200 N.0174th	200 3.01 / 4th	West	4-6 PM

Street	From	То	Side of Street	Hours
30000	7 1011	10	2000	i ioui a
S. Ashland Ave.	. 200' N. of 76th	200' S.of 76th	East	7-9 AM
(continued)			West	4-6 PM
	200 N. of 79th	2001 S. of 79th	East	7-9 AM
			West	4-6 PM
Austin Ave.	North Ave	Lawrence Ave.	West	7-9 AM
		als:	East	4-6 PM
Belmont Ave.	Kenmore	Clifton	North	4-6 PM
	Kenmore	Racine	South	7-9 AM
	Western	Oriole	South	7-9 AM
Al California	Western	200' W, of Central Ave.	North	4-6 PM
N.California Ave.	Chicago	2001 N. of Diversey	West East	7-9 AM 4-6 PM
S. California	2001 N. of Roosevelt Rd.	200' S. of 59th	East	7-9 AM
Ave.	200 W.O. NOOSEVETE Na.	200 3.0137111	West	4-6 PM
Central Ave.	200' N. of Montrose	North Ave.	West	7-9 AM
001111111111111111111111111111111111111		1101 111 1110 2	East	4-6 PM
Central Park	200' N. of Roosevelt Rd.	2001 S. of 26th	East	7-9 AM
Ave.			North	4-6 PM
Cermak Rd.	200 E. of Halsted	€00° W. of Kedzie	South	7-9 AM
			North	4-6 PM
Chicago Ave.	200' E. of Sacramento	200° W. of Sacramento	South	7-9 AM
	2001 E. of Kedzie	200' W. of Kedzie	South	7-9 AM
	200' E. of Homan	2001 W. of Homan	South	7-9 AM
	200' E. of Central Park	200' W. of Central Park	South	7-9 AM
	5 0 0 1 E - 5 11 - 11 1 1	5 001 M - 6 H 12	North	4-6 PM
	100' E. of Hamlin	1001 W. of Hamlin	South	7-9 AM 4-6 PM
	200' E. of Pulaski Rd.	200' W. of Pulaski Rd.	North South	7-9 AM
	200 L.OF Fulaski Nu.	200 W.O. Fulaski Ru.	North	4-6 PM
	200' E. of Keeler	2001 W. of Keeler	South	7-9 AM
	200 E.O. Neerer	and the state of t	North	4-6 PM
	200' E. of Kostner	2001 W. of Kostner	South	7-9 AM
			North	4-6 PM
	2001 E. of Cicero	2001 W. of Cicero	South	7-9 AM
			North	4-6 PM
	200' E. of Lavergne	200' W. of Lavergne	South	7-9 AM
			North	4-6 PM
	200' E. of Laramie	200' W. of Laramie	South	7-9 AM
			North	4-6 PM

			Side of	
Street	From	То	Street	Hours
Cicero Ave.	Addison	2001 S. of Addison	West	7-9 AM
3.30.3			East	4-6 PM
	200' N. of Roscoe	2001 S. of Roscoe	West	7-9 AM
			East	4-6 PM
	2001 N. of Belmont	Belmont	East	4-6 PM
	Belmont	200' S. of Belmont	West	7-9 AM
			East	4-6 PM
	200 N. of Wellington	200' S. of Wellington	West	7-9 AM
	-		East	4-6 PM
	200 N. of Diversey	200' S. of Diversey	West	7-9 AM
	,	•	East	4-6 PM
	200 N. of Wrightwood	200 S. of Wrightwood	West	7-9 AM
			East.	4-6 PM
	2001 N. of Fullerton	200' S. of Fullerton	West	7-9 AM
	_ 0 0 1.1,011 2,112.001		East	4-6 PM
	200' N. of Palmer	200 S. of Palmer	West	7-9 AM
			East	4-6 PM
	200' N. of Armitage	Armitage	West	7-9 AM
	200 11101000000000000000000000000000000	40 1010 0000 00	East	4-6 PM
	Congress	Polk	West	7-9 AM
	001131 200	4 000	East	4-6 PM
S. Cicero Ave.	Pershing Rd.	2001 S. of 43rd	West	4-6 PM
0,0,00,00,00,000	200 S. of 47th	200° N. of 47th	West	4-6 PM
	200 S. of Archer	200 N. of Archer	West	4-6 PM
Clark St.	200' N. of Foster	200' S. of Addison	West	4-6 PM
Clybourn Ave.	North Ave.	Southport	South	7-9 AM
ory boarn 7 rec.	Leavitt	Western	South	7-9 AM
	North Ave.	Damen	North	4-6 PM
Cottage Grove	200' N. of 68th	2001 S. of 87th	West	4-6 PM
Damen Ave.	200 N. of Belmont	200 N. of North Ave.	West	7-9 AM
Damen 711C.	200 N. of North Ave.	Lake St.	West	7-9 AM
	200 11.0: 110: :: 1140:	Leane Je.	East	4-6 PM
Diversey Ave.	Damen	Central Ave.	South	7-9 AM
Discisely rive.	Daniell	OC1161 661 719C 3	North	4-6 PM
	Central Ave.	Parkside	North	4-6 PM
	Parkside	200 W. of Austin	South	7-9 AM
	i musiae	240 M.O. Mustill	North	4-6 PM
Division St.	State	200' W. of Grand	North	4-6 PM
Fullerton Ave.	200 <sup>1</sup> E. of Western	200' W. of Western	South	7-9 AM
i unerton Ave.	ZOO L.O. Western	200 W. O. Western	North	4-6 PM
	2001 E. of Rockwell	2001 W. of Rockwell		
	ZUU' E.OI KOCKWell	ZUU: w.or Kockwell	South	7-9 AM
			North	4-6 PM

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Street	From	То	Side of Street	Hours
Fullerton Ave.	200° E. of California	Kedzie	South	7-9 AM
(continued)			North	4-6 PM
	Kedzie	200 W. of Kedzie	North	4-6 PM
	200' E. of Kimball	Kimball	North	4-6 PM
	200' W. of Kimball	Kimball	South	7-9 AM
			North	4-6 PM
	200° E. of Central Pk.	200° W. of Central Pk.	South	7-9 AM
			North	4-6 PM
	200 E. of Hamlin	200° W. of Hamlin	South	7-9 AM
			North	4-6 PM
	200' E.of Pulaski Rd.	200° W. of Pulaski Rd.	South	7-9 AM
			North	4-6 PM
	2001 E. of Keeler	200° W. of Keeler	South	7-9 AM
	200 E. of Kostner	200 W. of Kostner	South	7-9 AM
	200° E. of Cicero	200° W. of Cicero	South	7-9 AM
Grand Ave.	200 E. of Halsted	200° E.of Sangamon	North	4-6 PM
	200 E. of Sangamon	Kedzie	South	7-9 AM
			North	4-6 PM
	Spaulding	Leclaire	South	7-9 AM
			North	4-6 PM
	Laramie	Harlem	South	7-9 AM
			North	4-6 PM
Halsted St.	Van Buren	Roosevelt	West	4-6 PN
	Roosevelt	Canalport	East	7-9 AM
			West	4-6 PM
	Pershing	47th	West	4-6 PM
	47th	78th	East	7-9 AM
			West	4-6 PM
	79th	87th	East	7-9 AN
			West	4-6 PM
Higgins Rd.	Milwaukee	Austin	West	4-6 PM
Homan Ave.	North Ave.	Lake St.	West	7-9 AN
			East	4-6 PN
	Congress	Roosevelt	West	7-9 AN
			East	4-6 PM
Irving Pk. Rd.	200' W. of Ashland	Ashland	South	7-9 AN
			North	4-6 PN
	2001 E. of Damen	200 W. of Damen	South	7-9 AN
			North	4-6 PM
	2001 E. of Leavitt	2001 W. of Leavitt	South	7-9 AM
			North	4-6 PM

			Side of	
Street	From	То	Street	Hours
lustina Die Dal	200° E. of Western	200° W. of Western	South	7-9 AM
Irving Pk. Rd. (continued)	200 E.o. Western	200 W. of Western	North	4-6 PM
(00,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	200' E. of California	200° W. of California	South	7-9 AM
	2221 = 62		North	4-6 PM
	200' E. of Sacramento	200° W. of Sacramento	South North	9 AM 4-6 PM
	2001 E. of Kedzie	100° W. of Kedzie	South	7-9 AM
			North	4-3 211
	200' E. of Kimball	200° W. of Kimball	South	. 1 A11
	200' E. of Central Pk.	200° W. of Elston	North South	4-6 PM 7-2 AM
	2,01 001111111111	200 11,00 21,000	North	4-, 21/
	200º E. of Pulaski Rd.	200° W. of Pulaski Rd.	South	AM
	200' E. of Keeler	200' W. of Keeler	North South	4- PM 7- AM
	200 L'01 Neelei	LOO W.OI REEIEI	North	4-1 201
	2001 E. of Kostner	2001 W. of Kostner	South	7-0 AM
	30015 (0:	( 001 W - F 01	North	4-6, 27
	2001 E. of Cicero	⊆001 W. of Cicero	South North	7-9 \M 4- , 70
	200¹ E. of Laramie	200 W.oflaramie	South	0
			Morth	4-5.79
	200' E. of Long	200' W. of Long	South North	7-9,-11 4-5 P1
	2001 E. of Central Ave.	2001 W. of Central Ave.	South	7-11
			North	4-1.0
	2001 E. of Austin	200 W. of Austin	South	7-9 Al
N. Kedzie Ave.	Elston	Roscoe	North West	4-6 PN:
N. Redzie Ave.	Roscoe	Avondale	Fast	4-6 PM
	Avondale	Milwaukee	Viest	7-9 ALI
		Carroll	East	4P.1 7-9 AM
	Chicago	Carroll	West East	4-6 P 1
S, Kedzie Ave.	43rd	54th	East	7-2 AM
	E /	(0.1	West	4-6 214
	56th	62nd	East West	7-9 AM 4-6 PM
	64th	Marquette	East	7-9 AM
			West	4-571
	Marquette	2001 S. of 79th	West	4-0 PM

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Street	From	То	Side of Street	Hours
Kimball Ave.	200 <sup>a</sup> N. of Foster	200' S. of Lawrence	West	7-9 AM
	2001 N. of Diversey	2001 S. of Wrightwood	West	7-9 AM
	·	-	East	4-6 PM
	2001 N. of Fullerton	North Ave.	West	7-9 AM
			East	4-6 PM
Lawrence Ave.	Broadway	Clark	South	7-9 AM
			North	4-6 PM
	Clark	Ashland	South	7-9 AM
	Ashland	Oakley	South	7-9 AM
			North	4-6 PM
	Oakley	Lincoln	North	4-6 PM
	Lincoln	Rockwell	South	7-9 AM
	Rockwell	Lamon	South	7-9 AM
			North	4-6 PM
	Lamon	Lavergne	South	7-9 AM
	Lavergne	200' W. of Milwaukee	South	7-9 AM
	•		North	4-6 PM
Lincoln Ave.	Clark	Larrabee	East	4-6 PM
	Larrabee	2001 N. of Montrose	West	7-9 AM
			East	4-6 PM
Milwaukee Ave	. Belmont	Pulaski	West	7-9 AM
			East	4-6 PM
	Lawrence	Carmen	West	7-9 AM
		<del></del>	East	4-6 PM
North Ave.	Western	2001 W. of Western	South	7-9 AM
			North	4-6 PM
	2001 E. of Rockwell	200' W. of Rockwell	South	7-9 AM
			North	4-6 PM
	200' E. of California	2001 W. of California	South	7-9 AM
	200 2401 04111 0511104	Loo II, o. Cambonia	North	4-6 PM
	200' E. of Humboldt Blvd.	2001 W. of Humboldt Blvd.	South	7-9 AM
	E of Hambolds Diva	200 11,0,1,4,1,00,41 2,114,	North	4-6 PM
	2001 E. of Kedzie	2001 W. of Kedzie	South	7-9 AM
	200 Lioi Redzie	200 W. Of Redzie	North	4-6 PM
	200' E. of Kimball	200' W. of Kimball	South	7-9 AM
	E C E D C COMMENT	110 - 1211100011	North	4-6 PM
	200' E. of Central Pk.	200' W.of Hamlin	South	7-9 AM
	LOU LOU OGHHAI I No.		North	4-6 PM
	200' E. of Pulaski Rd.	2001 W. of Pulaski Rd.	South	7-9 AM
	200' E. of Keeler	200 W.of Keeler	South	7-9 AM
	200 E.of Keeter 200 E.of Kostner	200' W. of Kostner	South	7-9 AM
	200 E.UI NUSUIEF	ZOO W.OI NOSLIIEI	Journ	8 - 2 MIVI



Street	From	То	Side of Street	Hours
North Ave.	200 E. of Cicero	2001 W. of Cicero	South	7-9 AM
(continued)	200 E. of Leclaire	2001 W. of Laramie	South	7-9 AM
	200° E. of Long	200° W. of Long	South	7-9 AM
	200' E. of Central Ave.	200' W. of Central Ave.	South	7-9 AM
Pershing Rd.	Halsted	200° W. of Halsted	North	7-9 AM
			South	4-6 PM
	200° E. of Morgan	200° W. of Morgan	North	7-9 AM
	2001 5 (4 / 1- 1	6001111 (4.11.1	South	4-6 PM
	200' E. of Ashland	2001 W. of Ashland	North	7-9 AN
	2001 E. of Wood	200° W. of Wood	South	4-5 PM
	200 E,01 W000	200° W.or Wood	North South	7-9 AM 4-6 PM
	200' E. of Damen	Damen	North	7-9 AM
	200 L. or Damen	Damen	South	4-0 PM
Pulaski Rd.	2001 N. of Montrose	North Ave.	West	7-9 AM
			East	4-6 PM
Racine Ave.	2001 N. of 51st	200 N. of 63rd	West	4-5 PM
	2001 N. of 63rd	68th	East	7-9 AM
			West	4-6 PM
	70th	78th	East	7-9 AM
			Wes	4-6 PM
South Park Ave	e.51st	2001 S. of 79th	East	7-9 AM
Ciala Ci	2001 N -4244	20016 - 1274	West	4-6 PM
State St.	2001 N. of 24th	2001 S. of 26th	East	7-9 AM
	2001 N. of 29th	2001 S. of 29th	West East	4-6 PM 7-9 AM
	200 11.01 2 7611	200 3.0 270	West	4-6 PM
	200 N. of 31st	200' S. of 31st	East	7-9 AM
			West	4-6 PM
	200' N. of 33rd	2001 S. of 33rd	East	7-9 AM
			West	4-6 PM
	2001 N. of 35th	2001 S. of 35th	East	7-9 AM
			West	4-6 PM
	200' N. of 37th	2001 S. of 37th	East	7-9 AM
	000111 (D ):	00010 (5 1:	West	4-6 PM
	200 N. of Pershing Rd.	2001 S.of Pershing Rd.	East	7-9 AM
	3001 N of 43 ad	50016 -4134	West	4-6 PM
	200 N. of 43rd	200' S. of 43rd	East West	7-9 AM 4-6 PM
	2001 N. of 47th	200° S. of 47th	vvest East	7-9 AM

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SUMMARY
RECOMMENDED RUSH HOUR PARKING PROHIBITIONS

Street	From	То	Side of Street	Hours
State St.	2001 N. of 51st	200° S. of 51st	East	7-9 AM
(continued)			West	4-6 PM
	2001 N. of 53rd	2001 S. of <b>53</b> rd	East	7-9 AM
			West	4-6 PM
	200' N. of Garfield Blvd.	2001 S. of Garfield Blvd.	East	7-9 AM
	000141 (57.1	00010 (571	West	4-6 PM
	200' N. of 57th	2001 S. of 57th	East	7-9 AM
	2001 N - (FO)/	2001 6 - 1/1-1	West	4-6 PM
	200' N. of 59th	200' S. of 61st	East	7-9 AM
	200' N. of 63rd	2001 S. of 63rd	West East	4-6 PM 7-9 AM
	200 N.O. 05rd	200 3,010 <b>3</b> 10	West	4-7 PM
	2001 N. of 66th	2001 S. of 69th	East	7-9 AM
	200 11,01000	200 3.000701	West	4-6 PM
	200' N. of 71st	200¹ S.of 71st	East	7-9 AM
	200 11,00 7 22.00		West	4-6 PM
	2001 N. of 75th	200 S. of 76th	West	4-6 PM
	2001 N, of 79th	2001 S. of 87th	West	4-6 PM
Stony Island	2001 N. of 63rd	67th	East	7-9 AM
Ave.			West	4-6 PM
	69th	69th Pl.	East	7-9 AM
			West	4-6 PM
Vincennes	200° N. of 75th	200 S. of 76th	East	7-9 AM
Ave.			West	4-5 PM
	200' N. of 79th	200° S.of 79th	East	7-9 AM
			West	4-6 PM
	200' N. of 81st	200' S. of 81st	East	7-9 AM
	0001 N (07)	00016 (051	West	4-6 PM
	2001 N. of 87th	200' S. of 95th	East	7-9 AM
N, Western	Aumitoro	2001 N of Armitons	West	4-6 PM
Ave.	Armitage 200 S. of Lyndale	200' N. of Armitage	East	4-6 PM
AVE.	2001 S. of Lyndale 2001 S. of Logan Blvd.	2001 N. of Fullerton 2001 N. of Logan Blvd.	East East	4-6 PM 4-6 PM
	200' S. of Diversey	200 N. of Diversey	East	4-6 PM
	200' S. of Addison	200 N. of Addison	West	7-9 AM
		_ =	East	4-6 PM
	200' S. of Irving Pk. Rd.	200 N. of Irving Pk. Rd.	West	7-9 AM
			East	4-6 PM
	2001 S. of Berteau	2001 N. of Berteau	West	7-9 AM
			East	4-6 PM



Street	From	То	Side of Street	Hours
N. Western	2001 S. of Montrose	2001 N. of Wilson	West	7-9 AM
(continued)	200 3,01 11101161330	200 11,01 111,001		4-6 PM
	2001 S. of Lawrence	2001 N. of Lawrence	West	7-9 AM
		00010 55		4-6 PM
	2001 N. of Lawrence	2001 S. of Foster 2001 S. of Foster		4-6 PM 7-9 AM
	2001 N. of Berwyn	200 3.01 Foster		4-6 PM
S. Western	Cermak Rd.	200' S. of Cermak Rd.		7-9 AM
Ave.			West	4-6 PM
	200' N. of 24th	2001 S. of 24th		7-9 AM
		00010 (04)		4-6 PM
	2001 N. of 26th	2001 S. of 26th		7-9 AM 4-6 PM
	31st	2001 S. of 55th		7-9 AM
	2136	200 3.0:330.		4-6 PM
	200 N. of 59th	200° S. of 59th	East	7-9 AM
				4-6 PM
	2001 N. of 62nd	2001 S. of 63rd		7-9 AM
	2001 N - FM	COOL C of Mannetta		4-6 PM 7-9 AM
	2001 N. of Marquette	200° S. of Marquette		4-6 PM
	2001 Noof 69th	2001 S. of 69th		7-9 AM
	200 11,01 0 7 01.			4-6 PM
	200 N. of 71st	2001 S. of 71st	and C 7 5 D	7-9 AM
				4-6 PM
Wilson Ave.	2001 W. of Ashland	Ashland		7-9 AM 4-6 PM
	Ashland	Clark		7-9 AM
	Clark	200° E. of Clark		7-0 AM
	- 1 500			4-6 PM
26th St.	Western	2001 W. of Central Pk.		7-9 AM
0.5.1.0.	0001 5 160	00015 (11.1.1.1		4-6 PM
35th St.	200' E. of State 200' E. of Halsted	200' E. of Halsted 200' W. of California		4-6 PM 7-9 AM
	ZOO E, or naisted	200 W.o. Camornia		4-6 PM
43rd St.	Lake Park	South Park Way		4-6 PM
47th St.	Ashland	Damen	South	7-9 AM
	•			4-6 PM
	Western	Archer		7-9 AM
			North	4-6 PM

SUMMARY
RECOMMENDED RUSH HOUR PARKING PROHIBITIONS

			Side of	
Street	From	То	Street	House
51st St.	200° E. of State	200° E. of Halsted	North	4-6 PM
	200° E. of Halsted	200 W. of Damen	South	7-9 AM
			North	4-5 PM
	200 W. of Damen	2001 W. of Western	South	7-9 AM
55th St.	Western	Fairfield	South	7-9 Am
			North	4-6 PM
	Mozart	Troy	South	7-9 AM
59th St.	2001 E. of Halsted	200 W. of Western	South	7-9 AM
			North	4-6 PM
63rd St.	200 E. of Halsted	200 E.of Western	South	4-6 PM
	2001 E. of Western	200° W. of Central Ave.	North	7-9 AM
			South	4=6 PM
79th St.	200 E. of South Park	200 E. of Haisted	North	4-6 PM
	200 E. of Halsted	200° W. of Ashland	South	7-9 AM
			North	4-6 PM
	200' W. of Ashland	200 W. of Damen	South	7-9 AM
87th St.	200 E. of Stony Island	200° W. of Ingleside	South	7-9 AM
		•	North	4-6 PM
	200° W. of Ingleside	200° W. of Halsted	South	7-9 AM



CHARTS

0F

PRESENT AND PROPOSED

RUSH HOUR

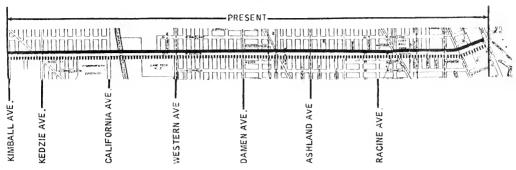
PARKING CONTROLS

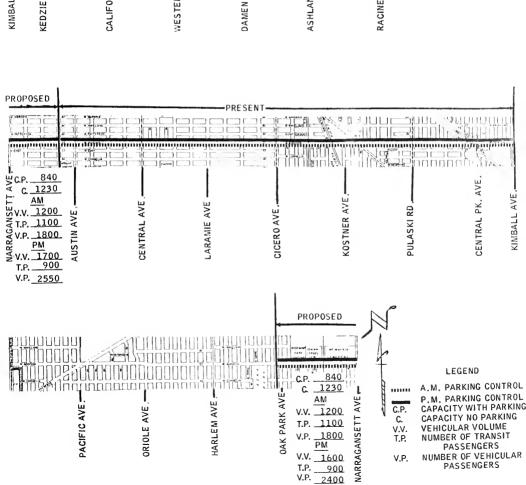
SHOWING

TRAFFIC STATISTICS



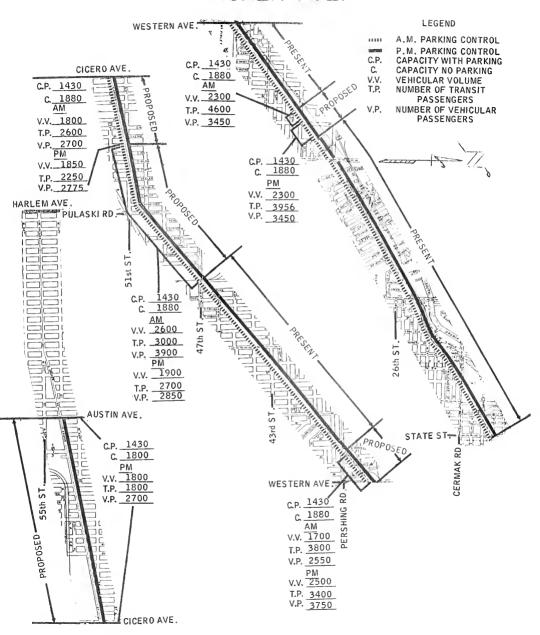
# ADDISON ST.





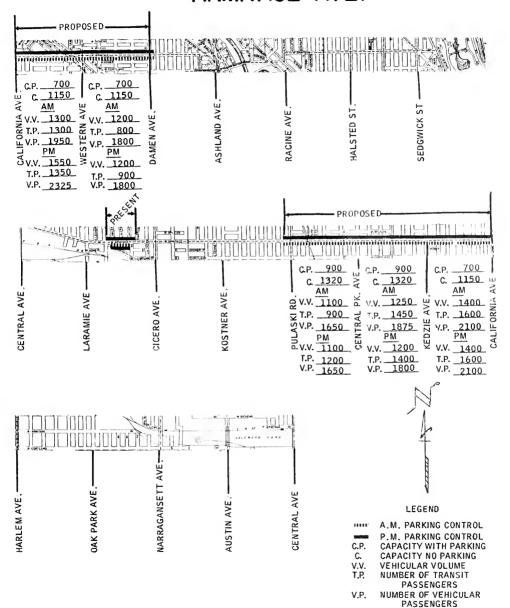
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## ARCHER AVE.

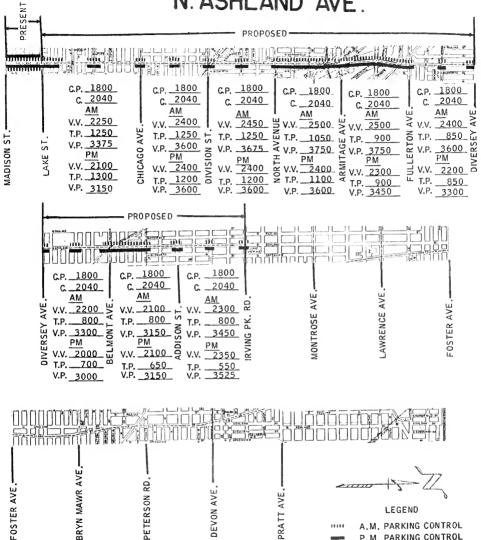


	, in the second	

## ARMITAGE AVE.



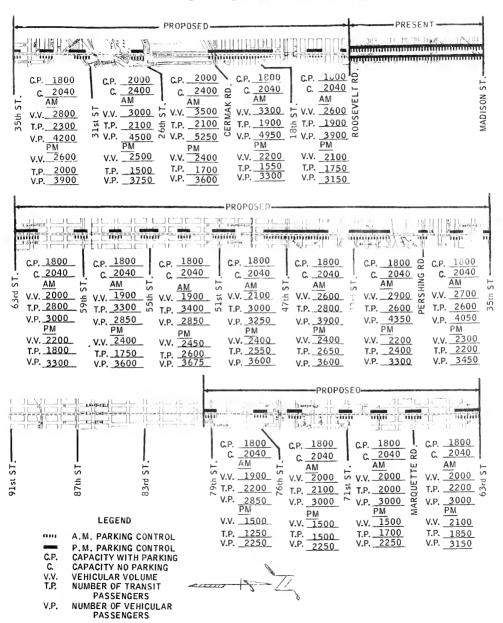
# N. ASHLAND AVE.



P.M. PARKING CONTROL CAPACITY WITH PARKING C.P. CAPACITY NO PARKING ር VEHICULAR VOLUME V.V. NUMBER OF TRANSIT T.P. PASSENGERS NUMBER OF VEHICULAR V.P. PASSENGERS

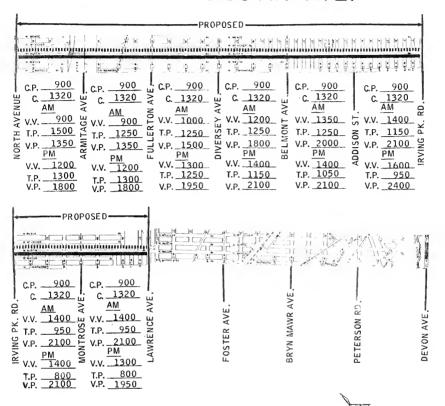


## S. ASHLAND AVE.





## AUSTIN AVE.

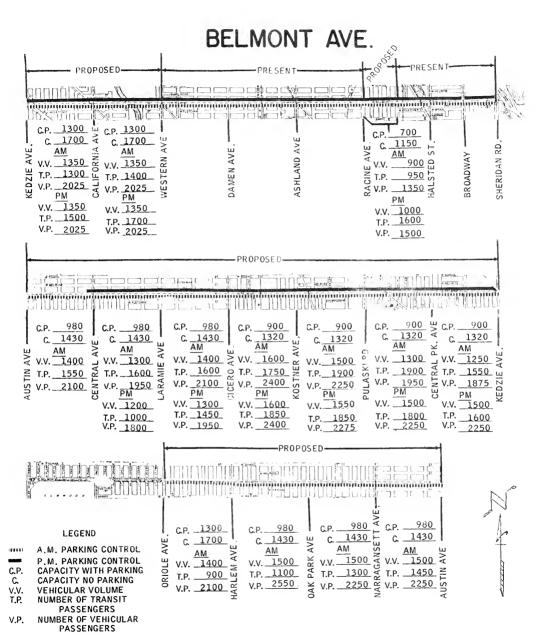


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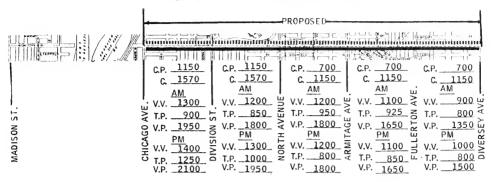
#### **LEGEND**

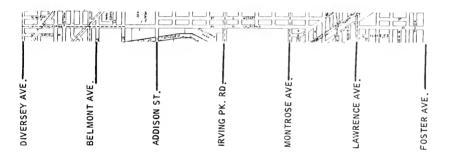
14111	A.M. PARKING CONTROL
Delivated	P.M. PARKING CONTROL
C.P.	CAPACITY WITH PARKING
C.	CAPACITY NO PARKING
V.V.	VEHICULAR VOLUME
T.P.	NUMBER OF TRANSIT
	PASSENGERS
V.P.	NUMBER OF VEHICULAR
	PASSENGERS

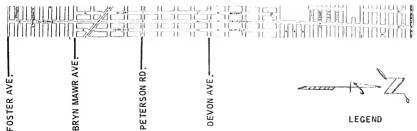
		er.	



## N. CALIFORNIA AVE.



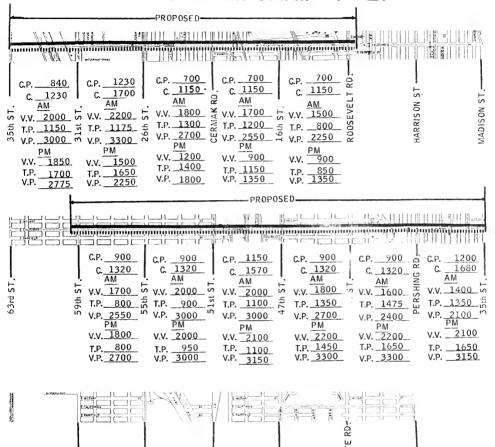




A.M. PARKING CONTROL
P.M. PARKING CONTROL
CAPACITY WITH PARKING
C. CAPACITY NO PARKING
V.V. VEHICULAR VOLUME
T.P. NUMBER OF TRANSIT
PASSENGERS
V.P. NUMBER OF VEHICULAR
PASSENGERS



## S. CALIFORNIA AVE.



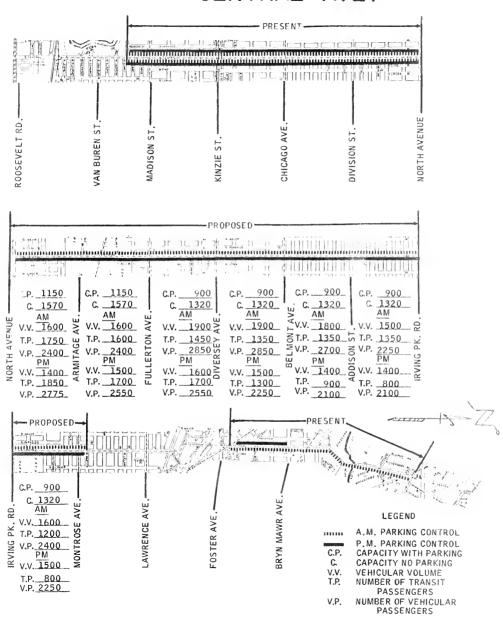
#### LEGEND



A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
V.V. VEHICULAR VOLUME
T.P. NUMBER OF TRANSIT
PASSENGERS
V.P. NUMBER OF VEHICULAR
PASSENGERS

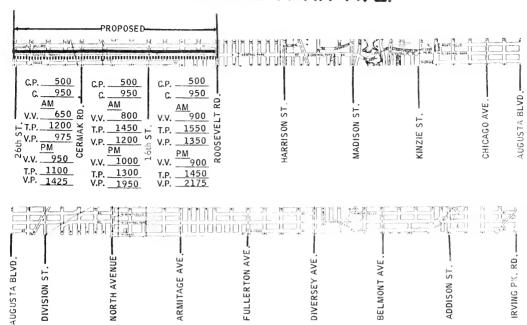
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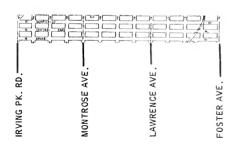
#### CENTRAL AVE.



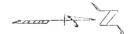
		,	

# CENTRAL PARK AVE.





DIVISION ST



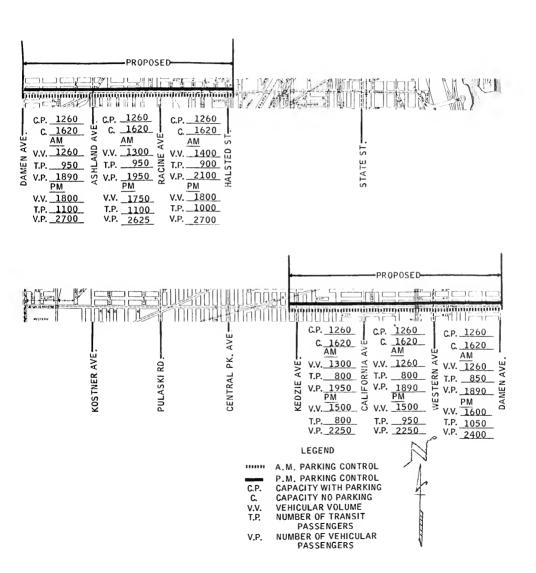
#### LEGEND

A.M. PARKING CONTROL P.M. PARKING CONTROL C.P. CAPACITY WITH PARKING C. V.V. CAPACITY NO PARKING VEHICULAR VOLUME NUMBER OF TRANSIT T.P. PASSENGERS V.P. NUMBER OF VEHICULAR

**PASSENGERS** 

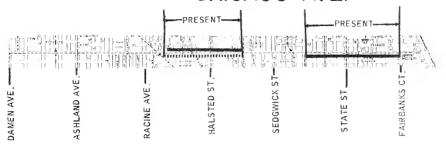


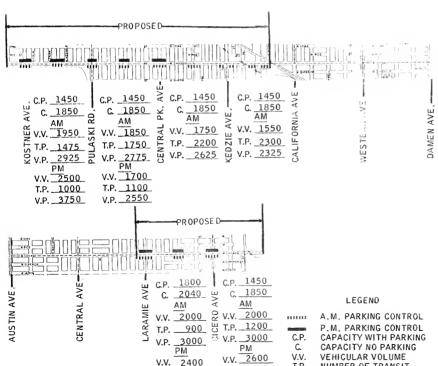
## CERMAK RD.





# CHICAGO AVE.





V.V. 2400

T.P. 1000

V.P. 3600

VEHICULAR VOLUME NUMBER OF TRANSIT **PASSENGERS** NUMBER OF VEHICULAR **PASSENGERS** 

V.V.

T.P.

V.P.

T.P. 1050

V.P. 3900



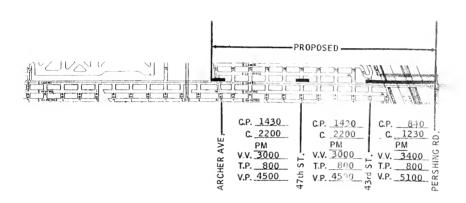
#### CICERO AVE. PRESENT PRESENT C.P. 1230 C. 1700 ROOSEVELT RD-ARMITAGE AVE. NORTH AVENUE 5 CHICAGO AVE AM ST. BUREN V.V. 2000 KINZIE ST NOISINI MADISON ντ.P. 1600 3000 NAN PM v.v. <u>19</u>00 T.P. 1700 V.P. 2850 PROPOSED. PRESENT PRESENT 1550 2020 2020 1950 2350 2350 C. 2350 ARMITAGE AVE MONTROSE AVE LAWRENCE AVE AVE AM AM FULLERTON S v.v. 2800 2700 2300 V.V. 2600 DIVERSEY 900 1400 1150 T.P. \_ T.P. T.P. 1650 4200 3450 4050 V.P. V.P. 3900 PM PM PM 2900 3100 2800 v.v. 2800 T.P. 1800 T.P. 1400 700 4200 1050 4350 V.P. 4200 V.P. 4650 <u>~~~9</u> BRYN MAWR AVE-PETERSON RD LAWRENCE AVE **DEVON AVE** FOSTER AVE PRESENT LEGEND .... A.M. PARKING CONTROL P.M. PARKING CONTROL C.P. CAPACITY WITH PARKING C. CAPACITY NO PARKING V.V. VEHICULAR VOLUME T.P. NUMBER OF TRANSIT **PASSENGERS**

V.P.

NUMBER OF VEHICULAR PASSENGERS

	-		

# S. CICERO AVE.





#### LEGEND

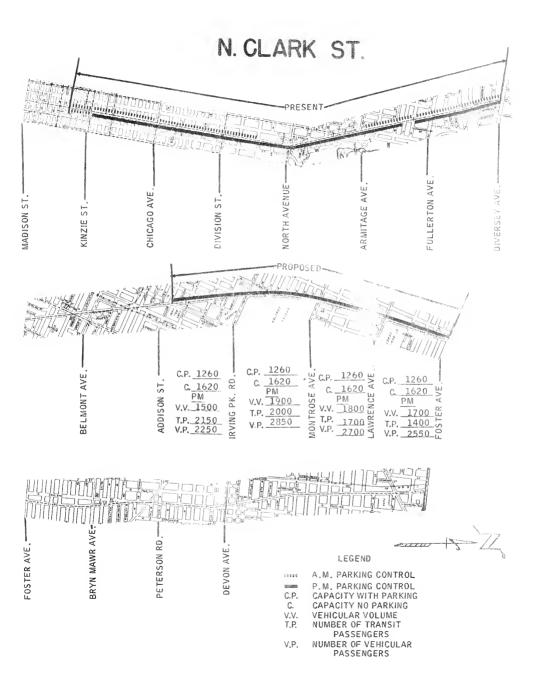
A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
C. CAPACITY NO PARKING

V.V. VEHICULAR VOLUME T.P. NUMBER OF TRANSIT

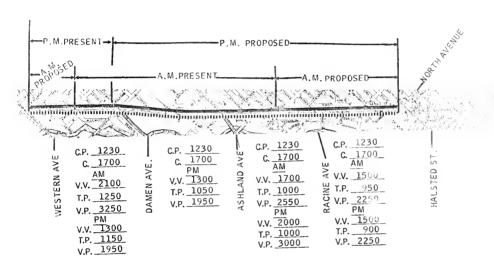
PASSENGERS

V.P. NUMBER OF VEHICULAR PASSENGERS





#### CLYBOURN AVE.



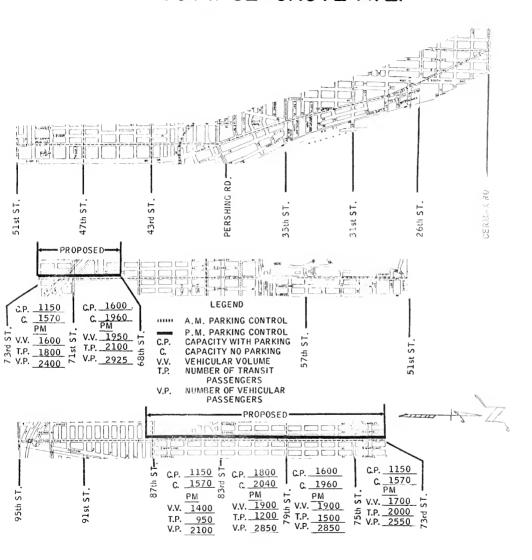
#### LEGEND

A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
V.V. VEHICULAR VOLUME
T.P. NUMBER OF TRANSIT
PASSENGERS
V.P. NUMBER OF VEHICULAR
PASSENGERS



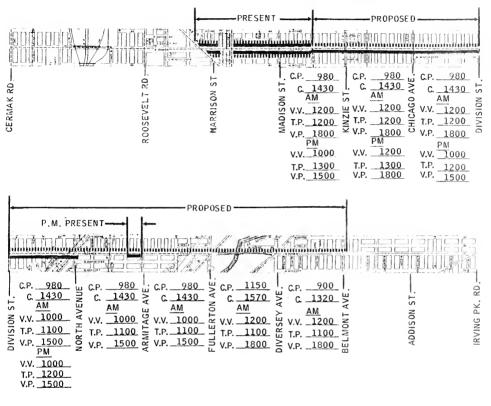
		ý.	

## COTTAGE GROVE AVE.





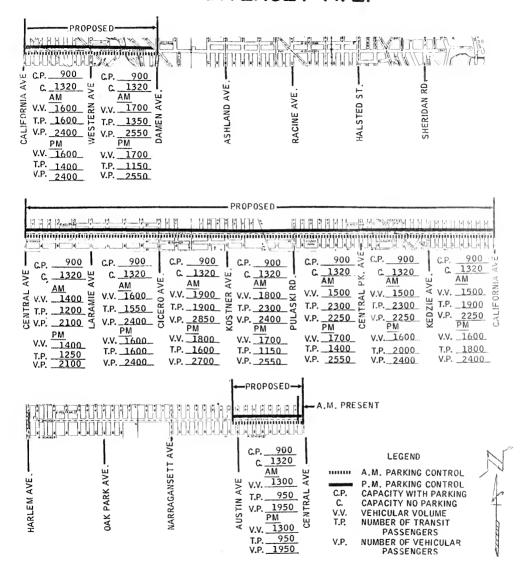
### N. & S. DAMEN AVE.



#### LEGEND

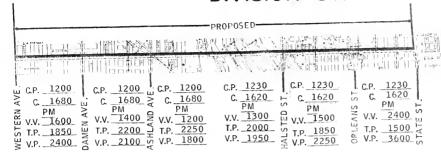
				10111	A.M. PARKING CONTROL
I Taken	COCKET AND IN	III III II I	Let H	-	P.M. PARKING CONTROL
In Day			4000000	C.P.	CAPACITY WITH PARKING
				C.	CAPACITY NO PARKING
11 11 11 11	N. BINCHE PER			V.V.	VEHICULAR VOLUME
The office A				T.P.	NUMBER OF TRANSIT
1.	/: !!	1.			PASSENGERS
2	₹	₹	Ι,	V.P.	NUMBER OF VEHICULAR
	ш	ш	Ä		PASSENGERS
¥.	OSE	N CE	4		_
	ĕ	LLJ	<u> </u>		1.
RVING	Ē	×κ	ST	ez.	1
<u>≨</u>	MON	4	Ď		8
_	_		-		

### DIVERSEY AVE.





## DIVISION ST.



		PROPOSED
CICERO AVE.	PULASKI RD.	C.P. 900 V.V. 1150 V.V. 1725 Q. V.P. 21200 V.P. 25500 W.P. 25500

AUSTIN AVE. –	CENTRAL AVE	LARAMIE AVE	CICERO AVE

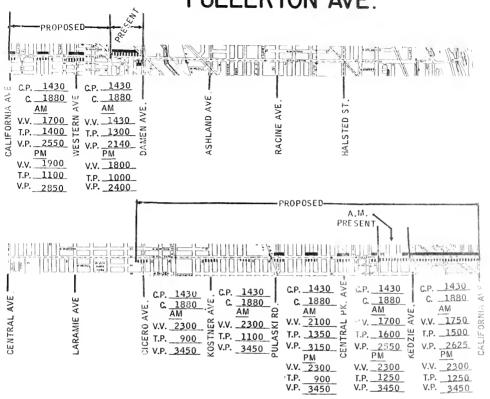
### LEGEND

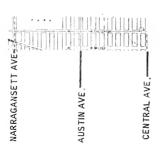
A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
V.V. VEHICULAR VOLUME
T.P. NUMBER OF TRANSIT
PASSENGERS
V.P. NUMBER OF VEHICULAR
PASSENGERS





# FULLERTON AVE.





#### LEGEND

....

C.P.

C.

V.V. T.P.

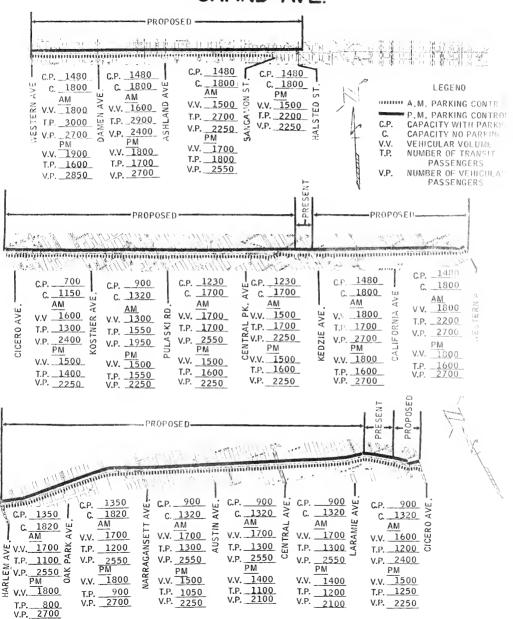
V.P.

A.M. PARKING CONTROL
P.M. PARKING CONTROL
CAPACITY WITH PARKING
CAPACITY NO PARKING
VEHICULAR VOLUME
NUMBER OF TRANSIT
PASSENGERS
NUMBER OF VEHICULAR
PASSENGERS

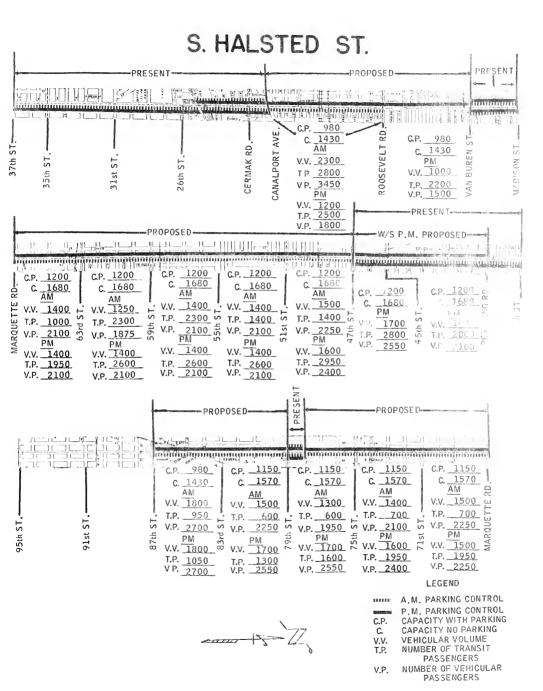




### GRAND AVE.

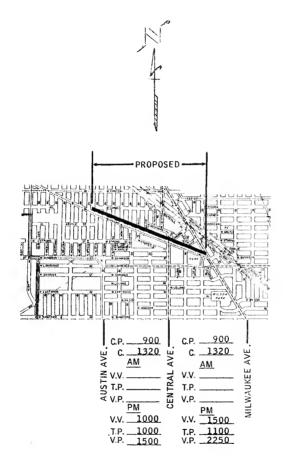






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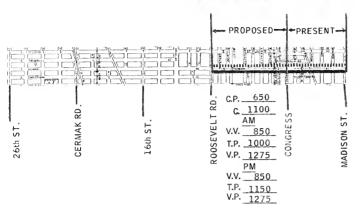
## HIGGINS ROAD

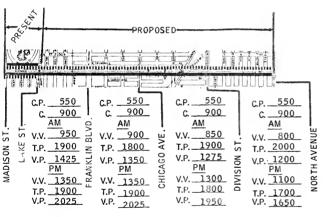


#### LEGEND

A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
V.V. VEHICULAR VOLUME
T.P. NUMBER OF TRANSIT
PASSENGERS
V.P. NUMBER OF VEHICULAR
PASSENGERS

### HOMAN AVE.



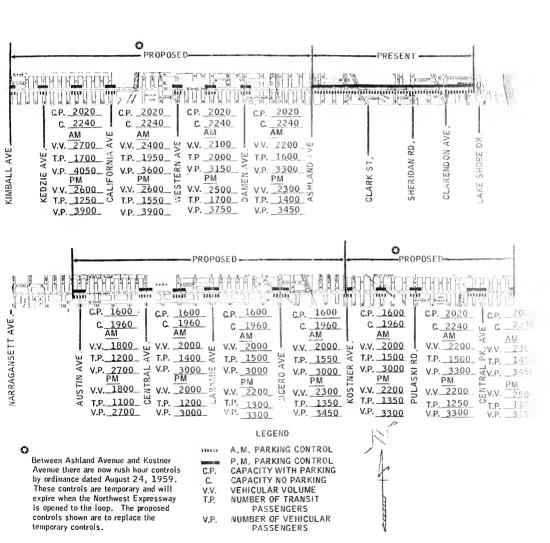


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### **LEGEND**

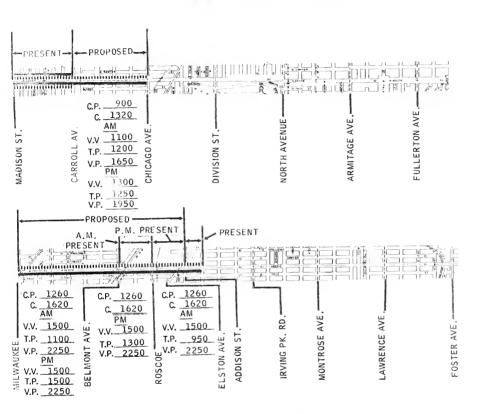
A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
C. CAPACITY NO PARKING
V.V. VEHICULAR VOLUME
T.P. NUMBER OF TRANSIT
PASSENGERS
V.P. NUMBER OF VEHICULAR
PASSENGERS

### IRVING PK. RD.



		,	

## N. KEDZIE AVE.



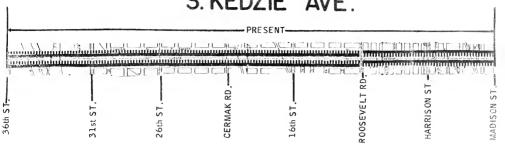


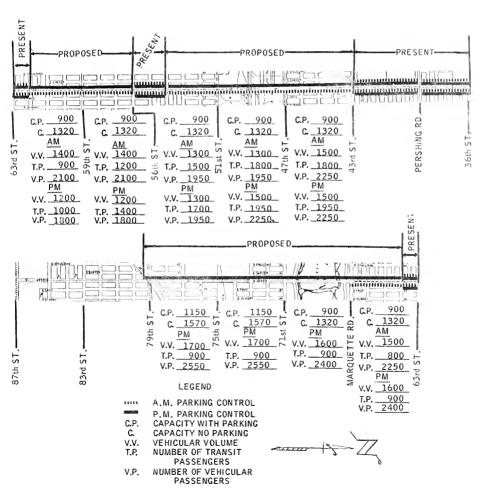
### LEGEND

	A.M. PARKING CONTROL
	P.M. PARKING CONTROL
C.P.	CAPACITY WITH PARKING
C.	CAPACITY NO PARKING
V.V.	VEHICULAR VOLUME
T.P.	NUMBER OF TRANSIT
	PASSENGERS
V.P.	NUMBER OF VEHICULAR
	DASSENGERS



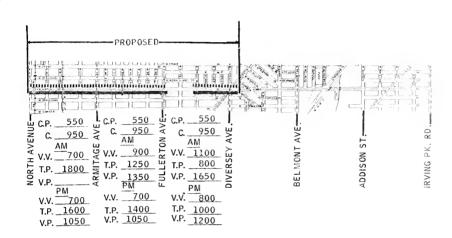
### S. KEDZIE AVE.

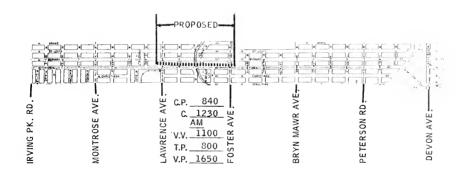






### KIMBALL AVE.





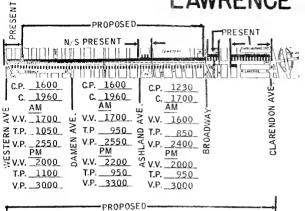
### LEGEND

A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
C. CAPACITY NO PARKING
V.V. VEHICULAR VOLUME
T.P. NUMBER OF TRANSIT
PASSENGERS
V.P. NUMBER OF VEHICULAR
PASSENGERS





## LAWRENCE AVE.



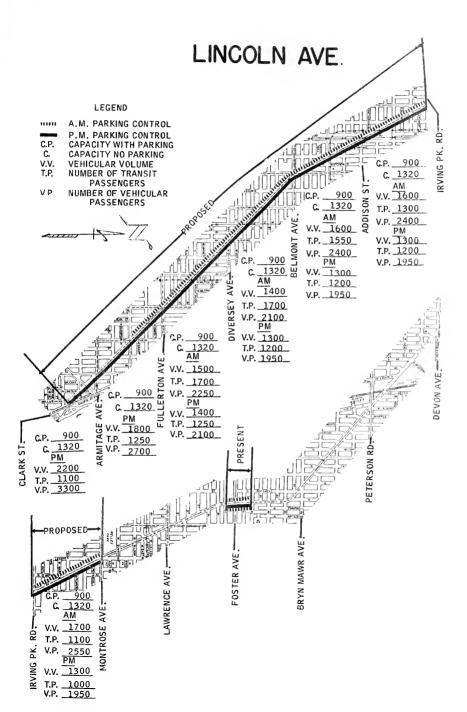
#### P.M.PRESENT -C.P. 1230 C. 1700 Z C.P. 1230 900 900 c. 1320 C. 1700 c 1320 AM AM AM ð V.V. 1300 V.V. 1300 V.V. 1200 v.v. 1200 STERN T.P. \_2300 T.P. 2000 w T.P. 1400 T.P. 1900 V.P. \_1950 V.P. <u>1800</u> V.P. 1950 DZI 1800 PM PM PM PM V.V. 1700 V.V. 1300 v.v. 1325 V.V. 1200 T.P. <u>1900</u> V.P. <u>1950</u> T.P. 1500 T.P. 1900 T.P. 2100 V.P. 2550 V.P. 1800 V.P. 1900

#### LEGEND

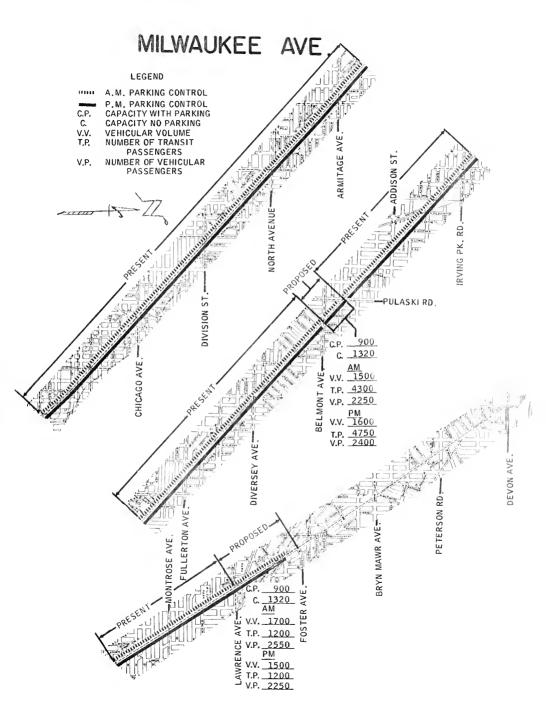
A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
C. CAPACITY NO PARKING
T.P. NUMBER OF TRANSIT
PASSENGERS
V.P. NUMBER OF VEHICULAR
PASSENGERS

	PROPOSE D  P.M.PRESENT  P.M.PRESENT
NARRAGANSETT AVE—AUSTIN AVE.	C.P. 1230   C.P.









#### NORTH AVE. -PROPÓSED PRESENT CALIFORNIA AVE CP. 2020 ASHLAND AVE ST ST. C. 2240 SACINE AVE SEDGWICK ST. AM HALSTED WESTERN V.V. 2100 T.P. 2200 3150 PM v.v. \_2300 T.P. 2300 V.P. 3450 PROPOSED 2020 2020 2020 2020 2020 2240 2240 2240 2240 2240 2240 2240 AM AM ΑM 7 AM AM 8 AVE AM v.v. 2400 V.V. \_2700 2300\_ 2500 2400 V.V. 2500 V.V. 2800 (EDZIE T.P. 1800 CICERO 1200\_ T.P. 1200 T.P. 1800 T.P. \_1050 T.P. 1100 V.P. 3750 3450 3600 4050 PM PM PM V.V. 2500 v.v. 2700 V.V. 2600 T.P. 1700 T.P. 950 T.P. <u>1700</u> V.P. 4050 V.P. 3900 V.P. 3750 日間 NARRAGANSETT AVE CENTRAL AVE HARLEM AVE **AUSTIN AVE.** LEGEND A.M. PARKING CONTROL ...... P.M. PARKING CONTROL CAPACITY WITH PARKING C.P.

CAPACITY NO PARKING

NUMBER OF VEHICULAR PASSENGERS

VEHICULAR VOLUME

NUMBER OF TRANSIT PASSENGERS

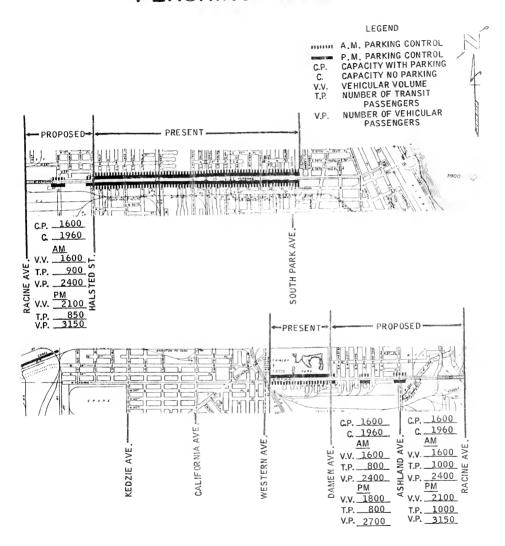
C. V.V.

T.P.

V.P.

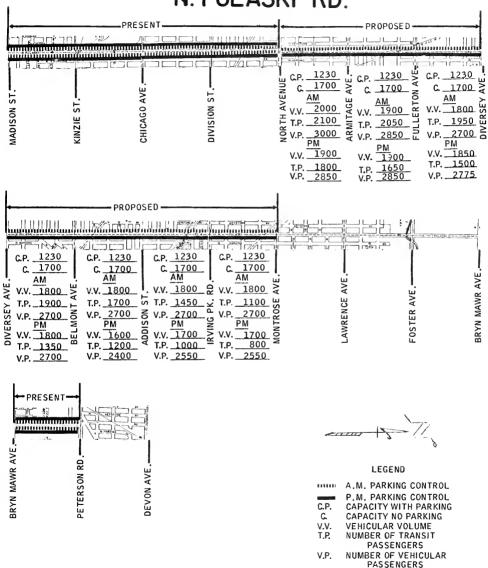
	,	

## PERSHING ROAD



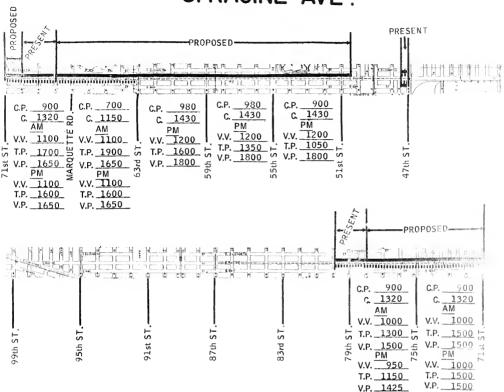


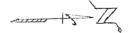
### N. PULASKI RD.





## S. RACINE AVE.

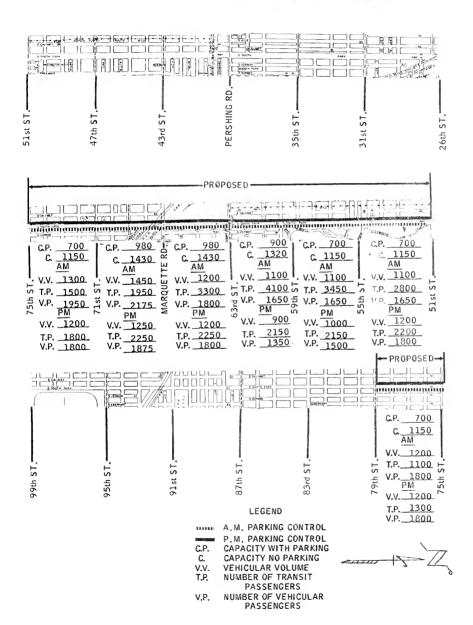




#### LEGEND

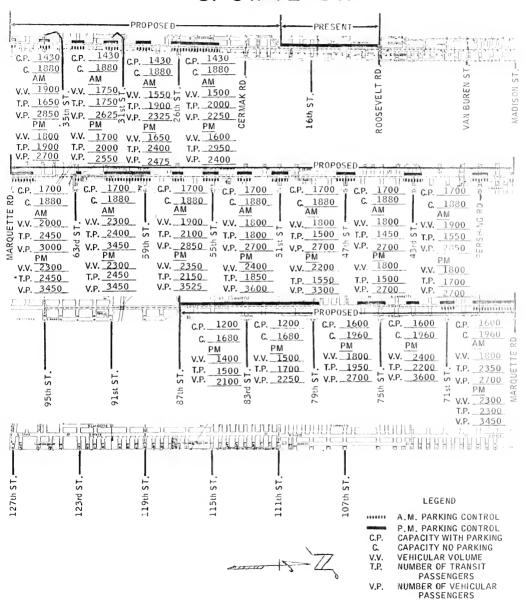
1001111	A.M. PARKING CONTROL
	P.M. PARKING CONTROL
C.P.	CAPACITY WITH PARKING
C.	CAPACITY NO PARKING
V.V.	VEHICULAR VOLUME
T.P.	NUMBER OF TRANSIT
	PASSENGERS
V.P.	NUMBER OF VEHICULAR
	PASSENGERS

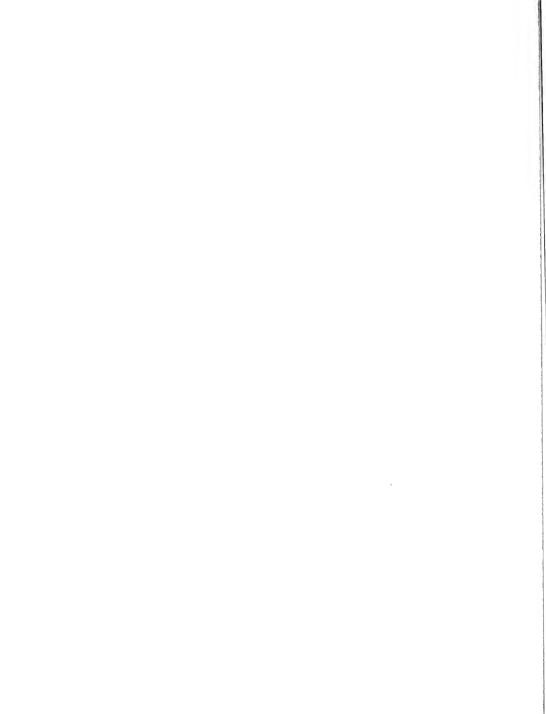
### SOUTH PARK AVE.



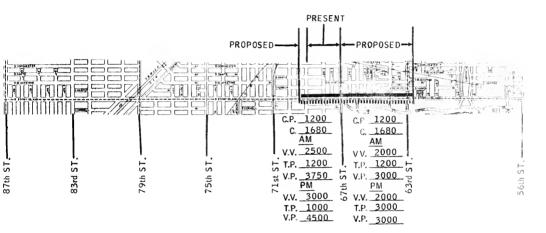


### S. STATE ST.





### STONY ISLAND



#### **LEGEND**

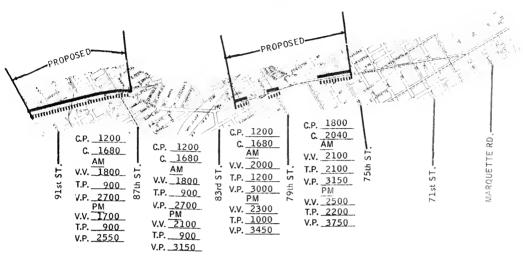
A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
C. CAPACITY NO PARKING

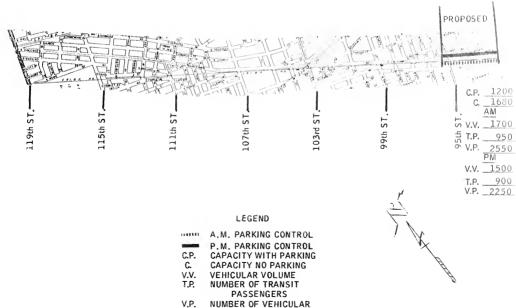
V.V. VEHICULAR VOLUME
T.P. NUMBER OF TRANSIT
PASSENGERS

V.P. NUMBER OF VEHICULAR PASSENGERS

			(1)
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## VINCENNES AVE.

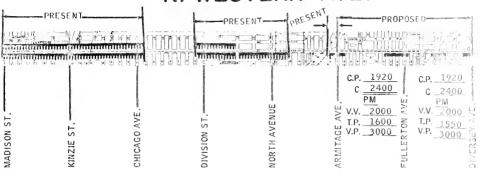


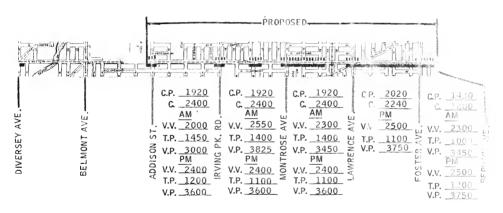


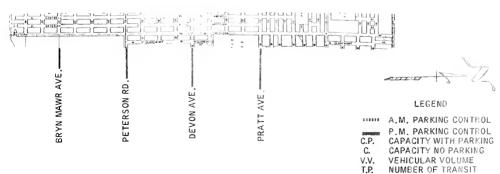
**PASSENGERS** 



## N. WESTERN AVE.







PASSENGERS NUMBER OF VEHICULAR

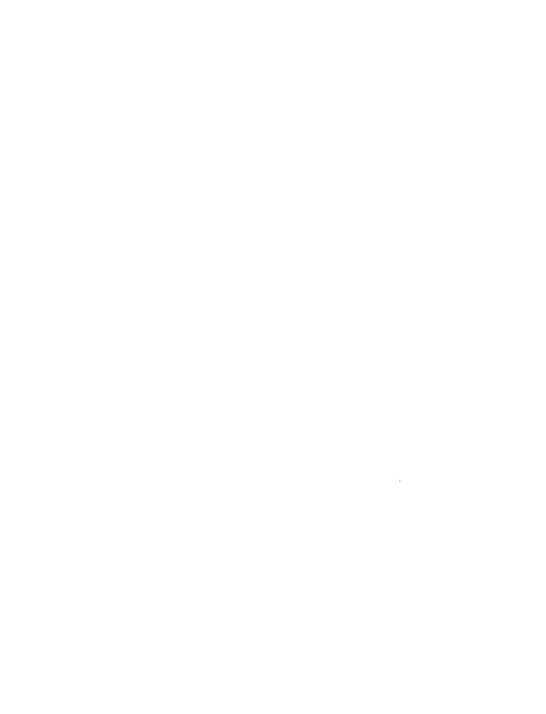
PASSENGERS

V.P.

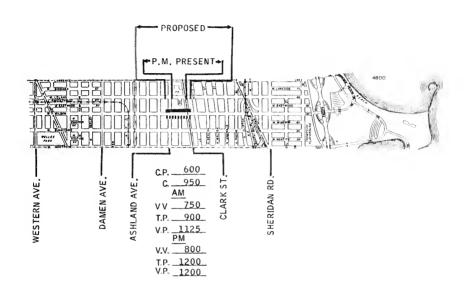


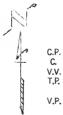
# S. WESTERN AVE.

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	2200	V. 2200 C VV. 2500 C V M
	1400 5 T.P. 1550 5 T.	P. 1700 9 P. 1800 5 TP 1 1 1
V.P. 4050 5 V.P. 3750 5 V.P. PM	. 3450 H V.P. 3300 F V.	P. 3300 P 3750 W VP 4200
V.V. 3150 V.V. 2800 V.V	2600 V.V. 2600 V.V.	PM PM CA CAT CAT CAT CAT CAT CAT CAT CAT CAT
		P. 2000 P 2000 TP 1109
· · · · · · · · · · · · · · · · · · ·		P. 3750 P. 3450 VP. 3150
		PERSONAL INCOMES (ES)
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		C. 2400 & C
		VV. 3000 F V.V. 2850
ST. ST.	ST.	S TP. 1000 S T.P. 1000 G
97th S1	9th S	VP 4500 & V.P. 42 3
<i>√</i> ∞ ∞	r	V.V 3600 V.V. 3400
		T.P. 1000 T.P. 1350 V.P. 5400 V.P. 5100
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19 151 151 191 P	हिन्द्र हैं कि है   जिस्से हैं   हि	LEGEND
1.		A AA DARWING CONTROL
TS I	1 S T	P.M. PARKING CONTROL
115th S	107th S	C.P. CAPACITY WITH PARKING C. CAPACITY NO PARKING
, ) H H		V.V. VEHICULAR VOLUME
	\	T.P. NUMBER OF TRANSIT PASSENGERS
	- I	V.P. NUMBER OF VEHICULAR PASSENGERS
	13 22	) ASSENGENS



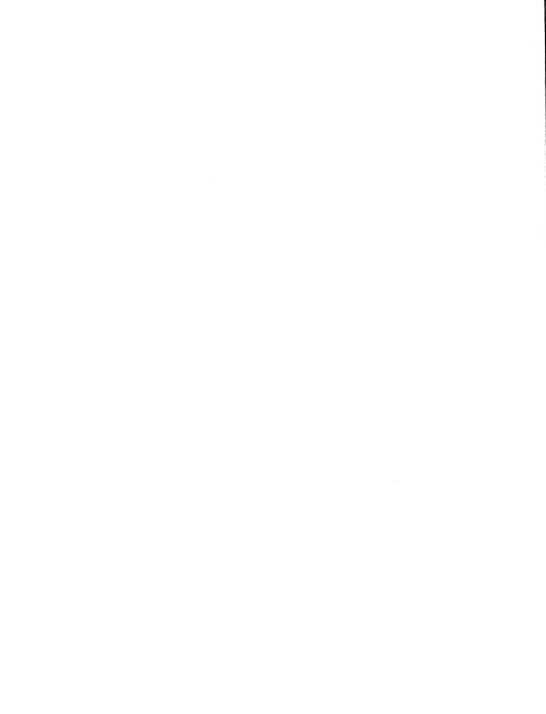
## WILSON AVE.

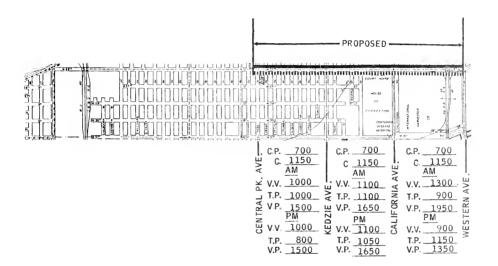




#### LEGEND

A.M. PARKING CONTROL
P.M. PARKING CONTROL
CAPACITY WITH PARKING
VEHICULAR VOLUME
NUMBER OF TRANSIT
PASSENGERS
NUMBER OF VEHICULAR
PASSENGERS







......

C.P.

C.

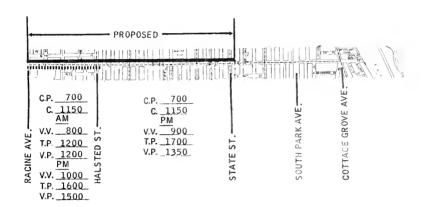
V.V.

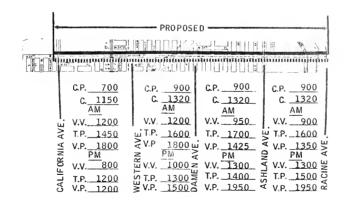
T.P.

V.P.

#### LEGEND

A.M. PARKING CONTROL
P.M. PARKING CONTROL
CAPACITY WITH PARKING
VEHICULAR VOLUME
NUMBER OF TRANSIT
PASSENGERS
NUMBER OF VEHICULAR
PASSENGERS



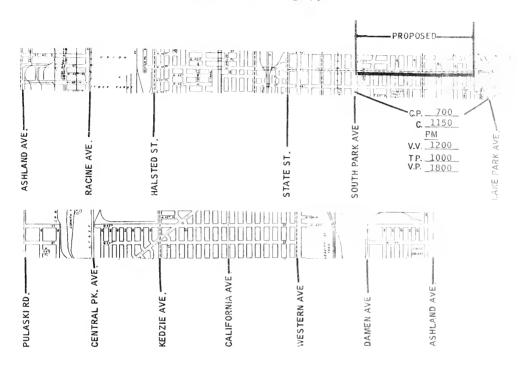


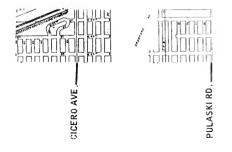
#### LEGEND

1111111	A.M. PARKING CONTROL
-	P.M. PARKING CONTROL
C.P.	CAPACITY WITH PARKING
C.	CAPACITY NO PARKING
V.V.	VEHICULAR VOLUME
T.P.	NUMBER OF TRANSIT
	PASSENGERS
V.P.	NUMBER OF VEHICULAR
	PASSENGERS



## 43 rd ST.



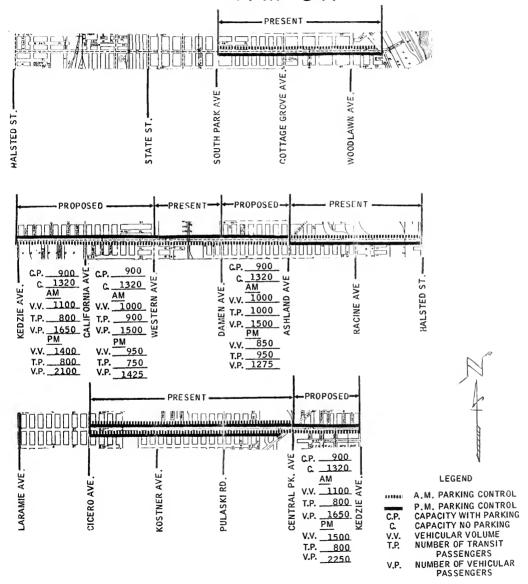


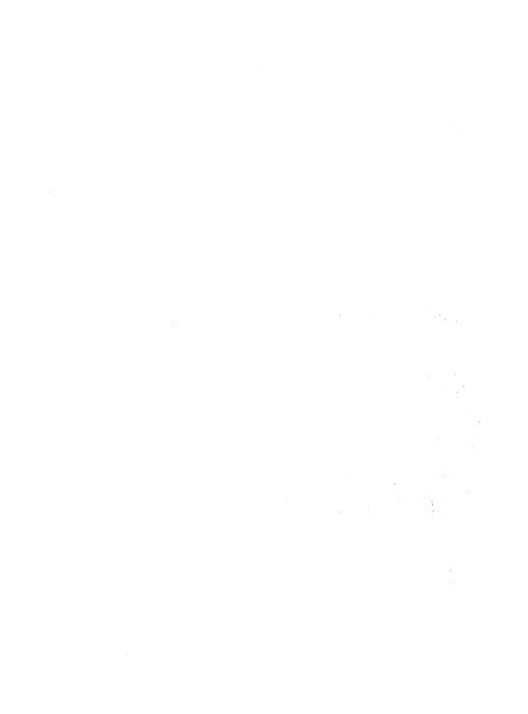
#### LEGEND

1821111	A.M. PARKING CONTROL
	P.M. PARKING CONTROL
C.P.	CAPACITY WITH PARKING
C.	CAPACITY NO PARKING
V.V.	VEHICULAR VOLUME
T.P.	NUMBER OF TRANSIT
	PASSENGERS
V.P.	NUMBER OF VEHICULAR PASSENGERS

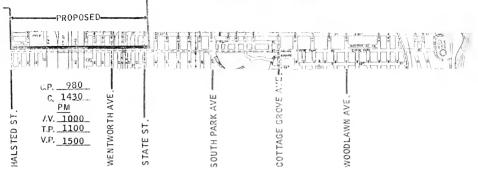


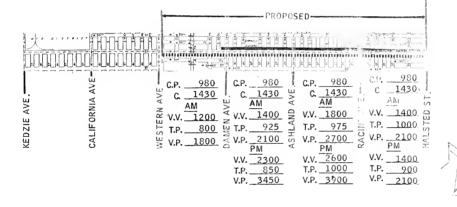


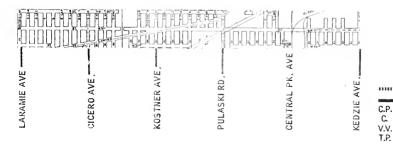




## 51st ST.

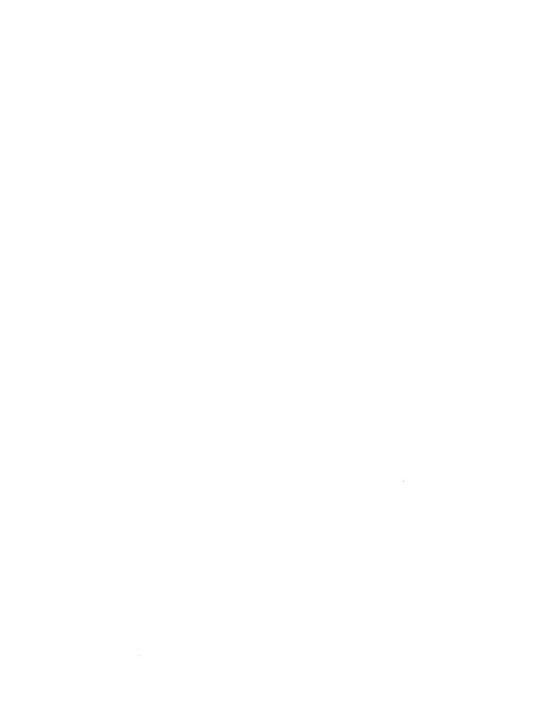




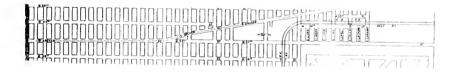


LEGEND
A.M. PARKING CONTROL
P.M. PARKING CONTROL
CAPACITY WITH PARKING
CAPACITY NO PARKING
VEHICULAR VOLUME
NUMBER OF TRANSIT
PASSENGERS
NUMBER OF VEHICULAR
PASSENGERS

V.P.



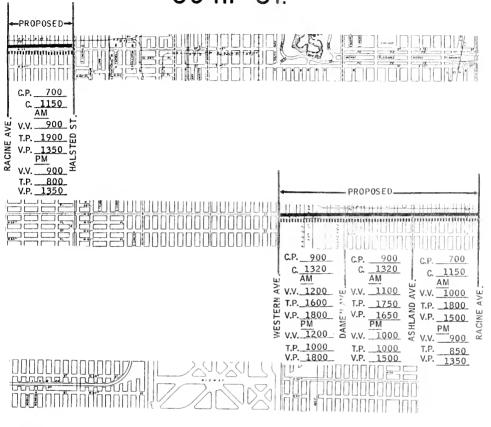
PRE SENT	PROPOSED PROPOSED	PROPOSED
A A VE	C.P. 700 L C. 1150 AM A V.V. 1500 S T.P. 1150 S V.P. 2250 S	

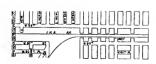


#### LEGEND

A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
V.V. VEHICULAR VOLUME
T.P. NUMBER OF TRANSIT
PASSENGERS
V.P. NUMBER OF VEHICULAR
PASSENGERS







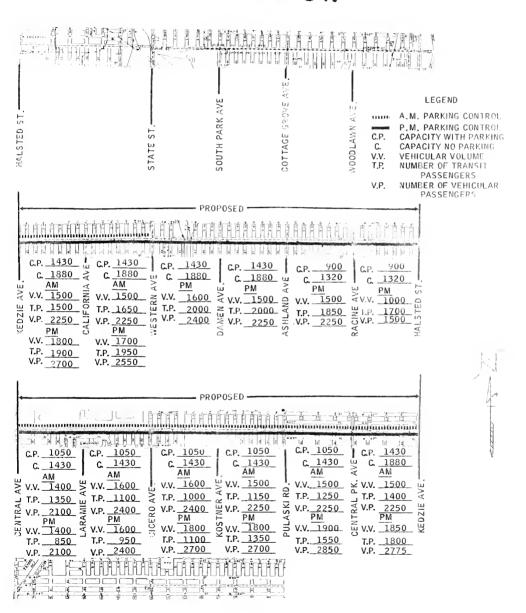


#### LEGEND

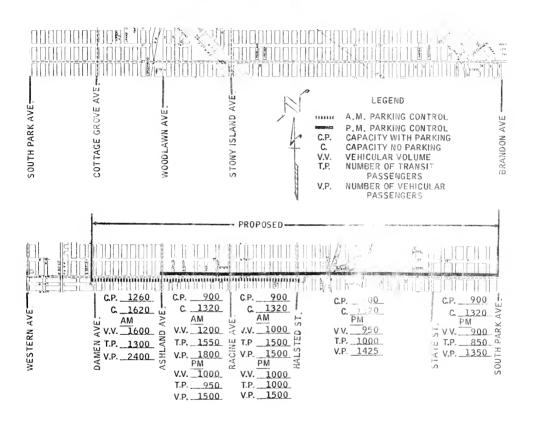
A.M. PARKING CONTROL
P.M. PARKING CONTROL
C.P. CAPACITY WITH PARKING
C. CAPACITY NO PARKING
V.V. VEHICULAR VOLUME
T.P. NUMBER OF TRANSIT
PASSENGERS
V.P. NUMBER OF VEHICULAR
PASSENGERS

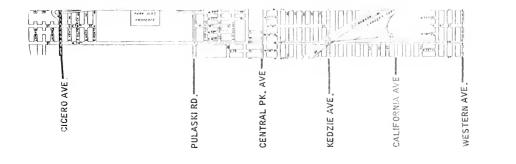


## 63rd ST.



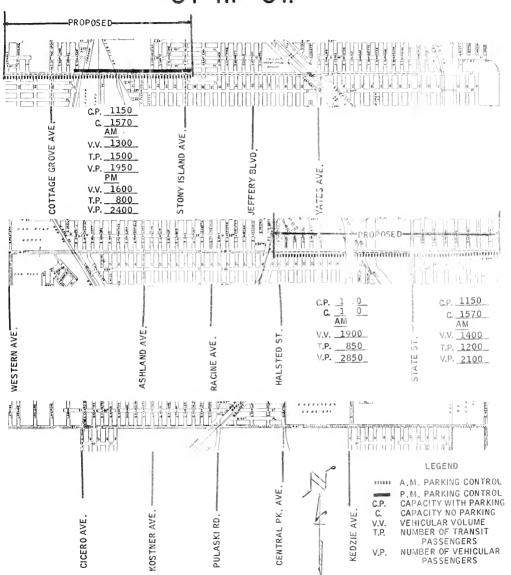
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87 th ST.



BASIC ANALYSIS

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TRAFFIC FLOW

AND

STREET CAPACITY

SHOWING

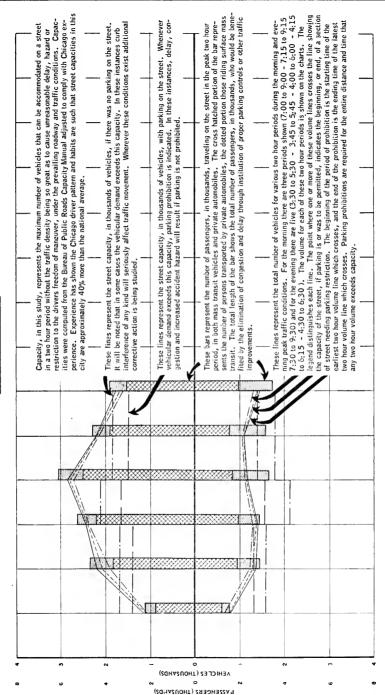
BASIC REQUIREMENTS

FOR

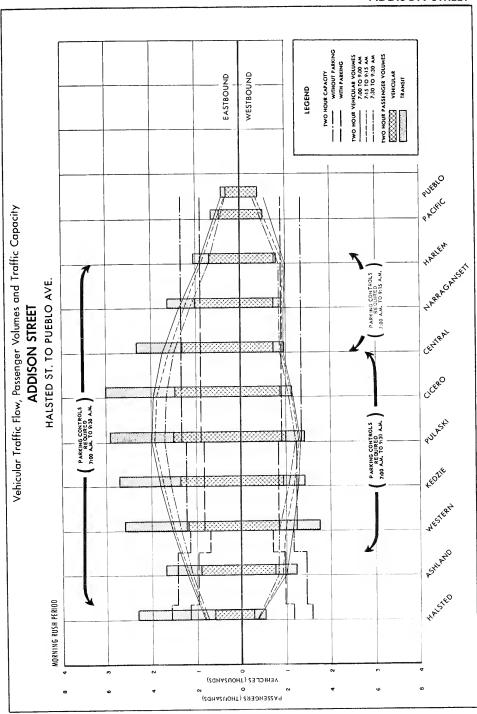
RUSH HOUR PARKING CONTROLS

## Vehicular Traffic Flow, Passenger Volumes and Traffic Capacity

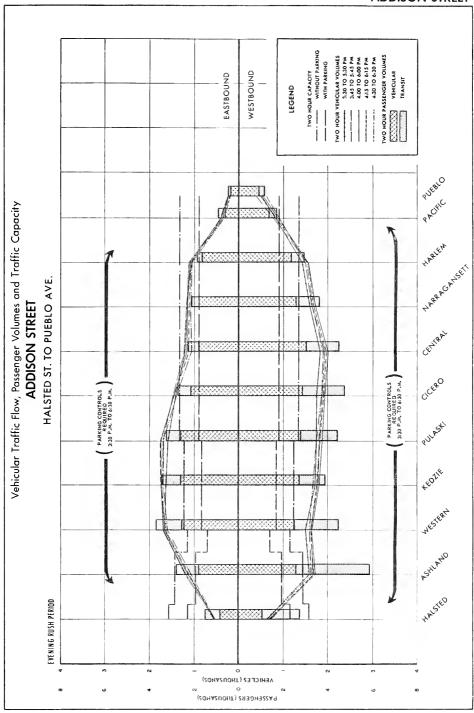
## EXPLANATION OF CHARTS



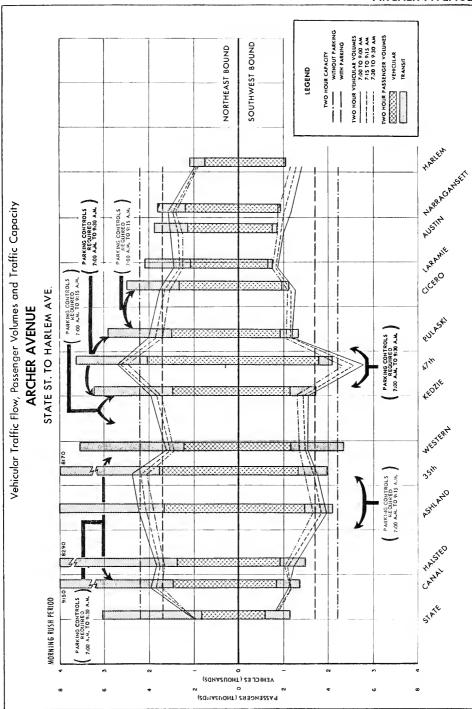


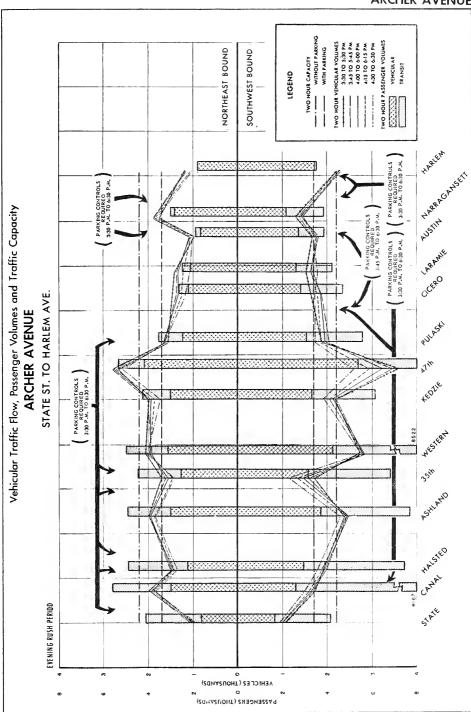




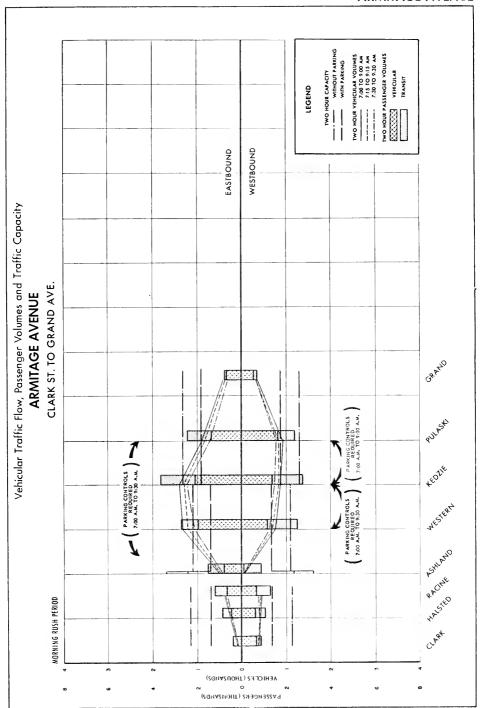




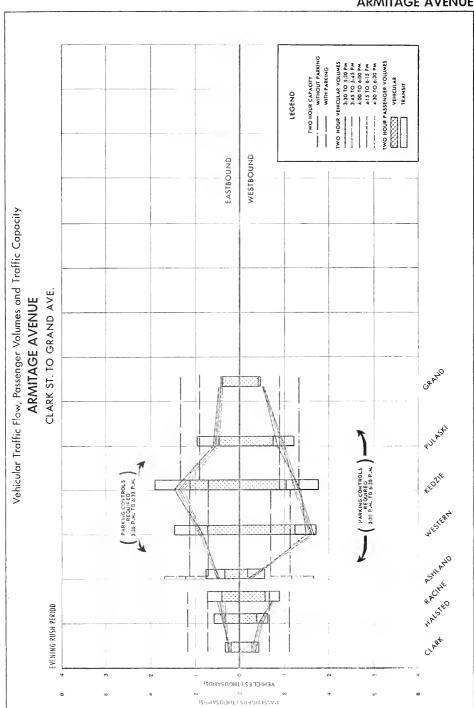




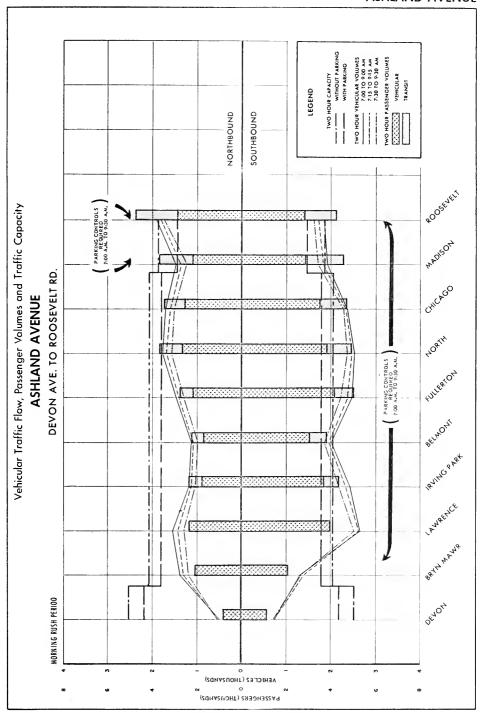


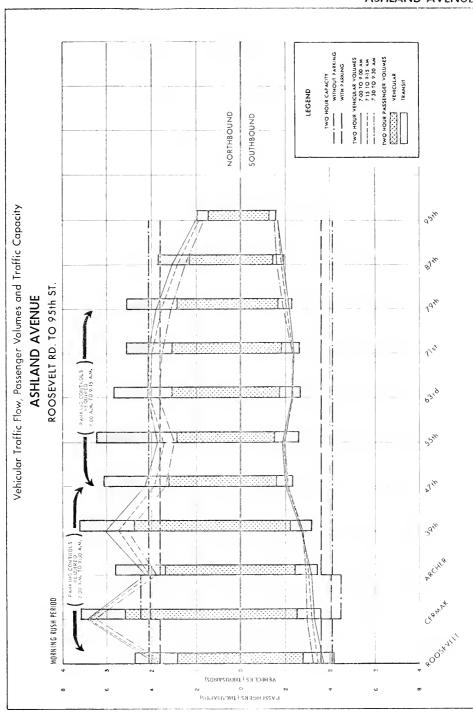


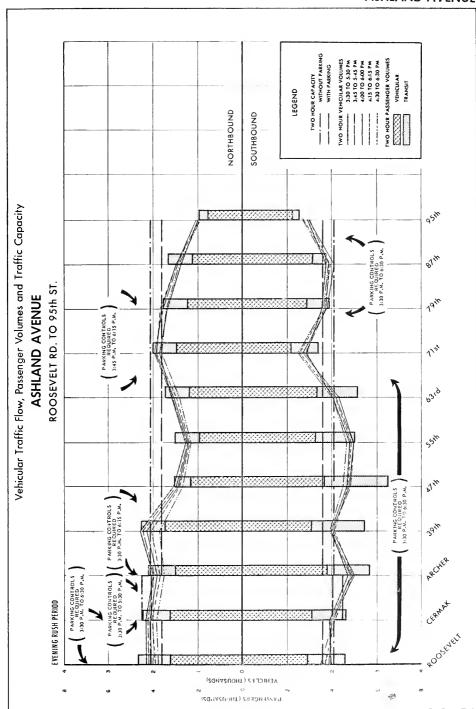


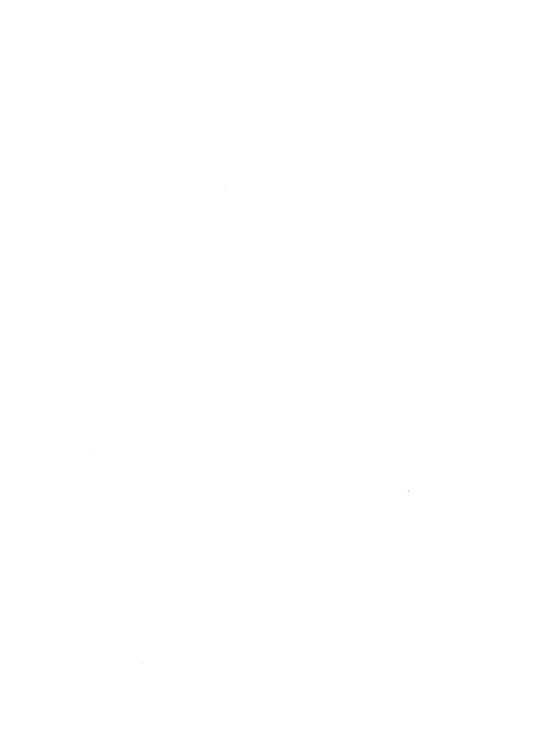


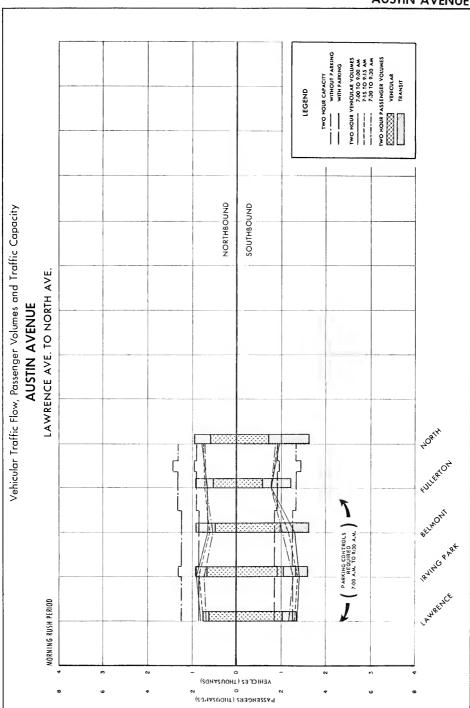




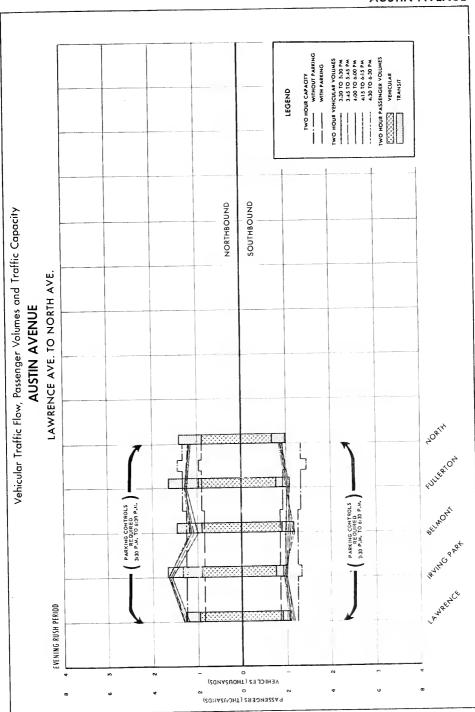




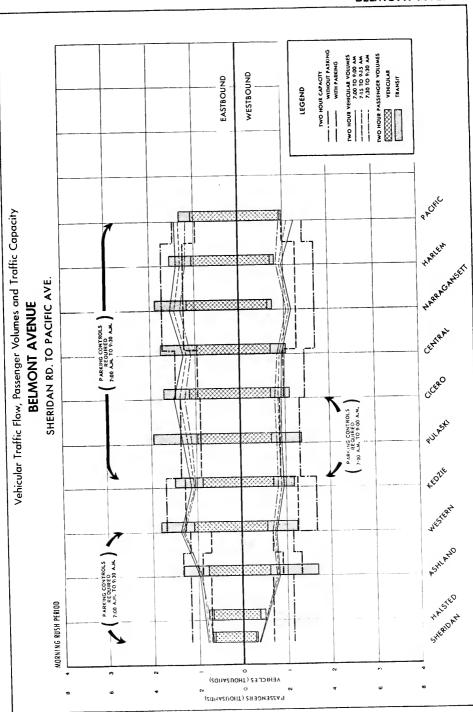




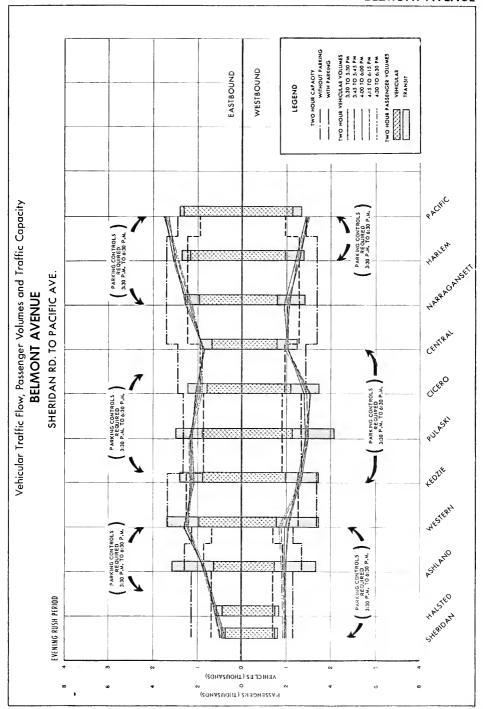




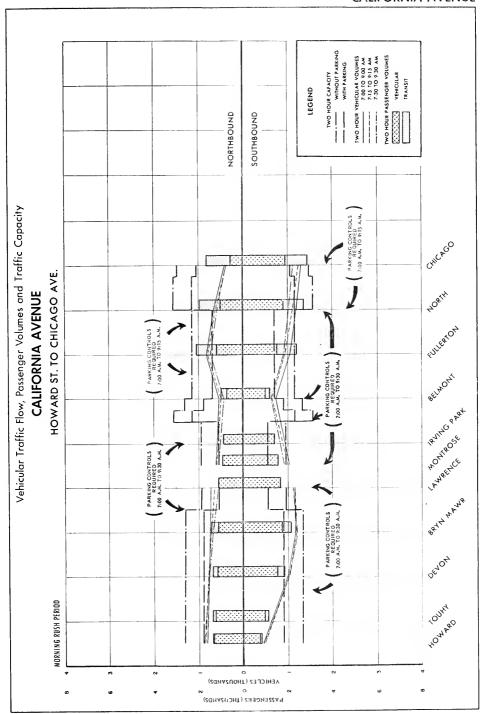
## **BELMONT AVENUE**



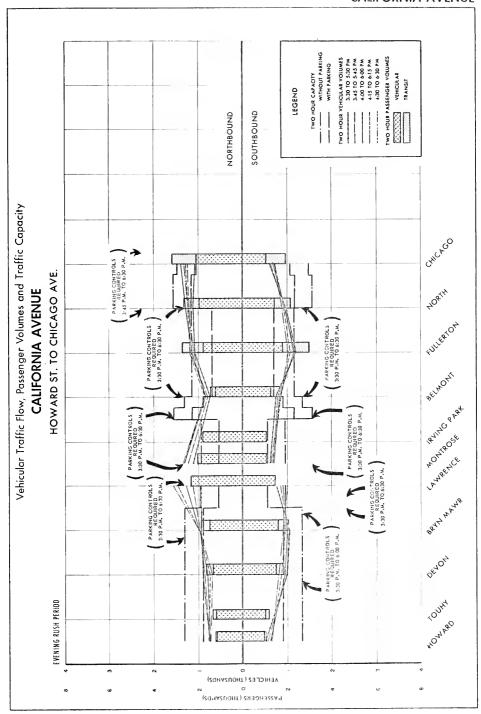
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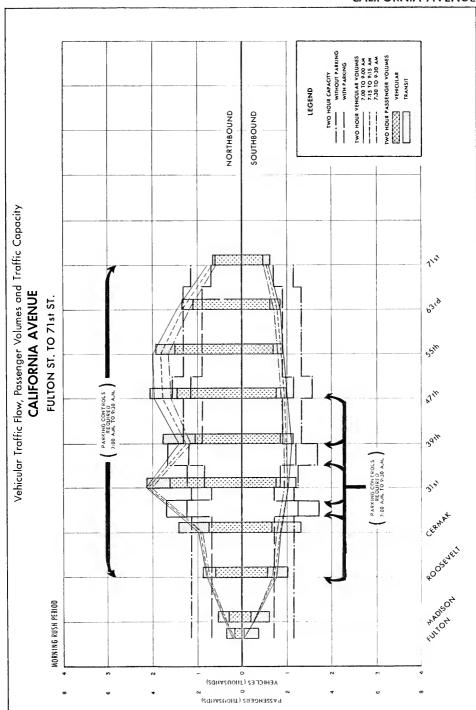




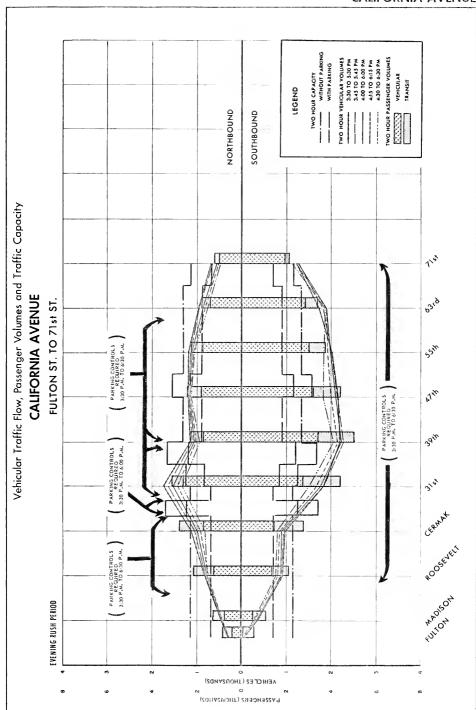
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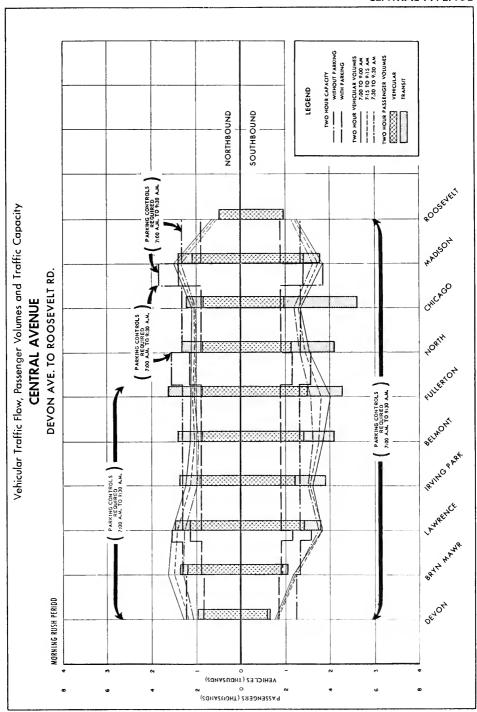


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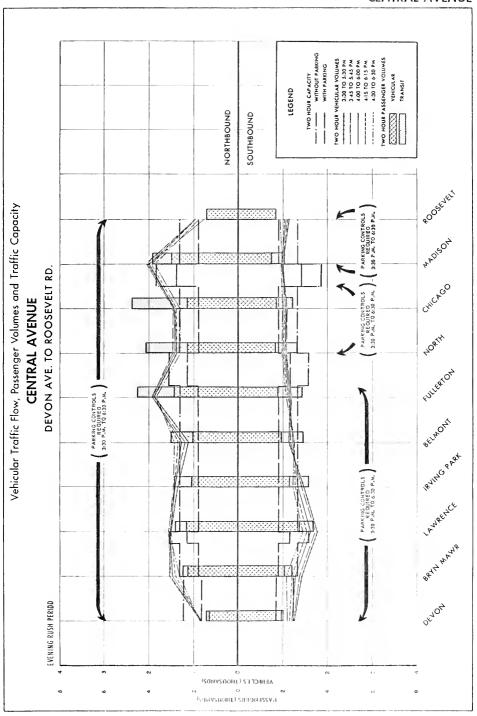


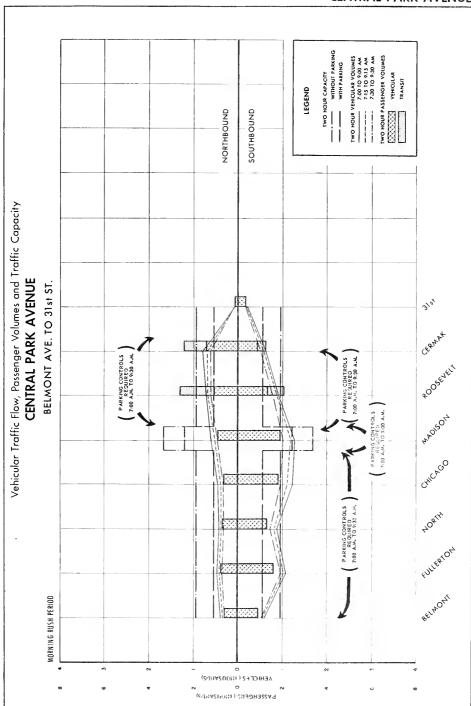
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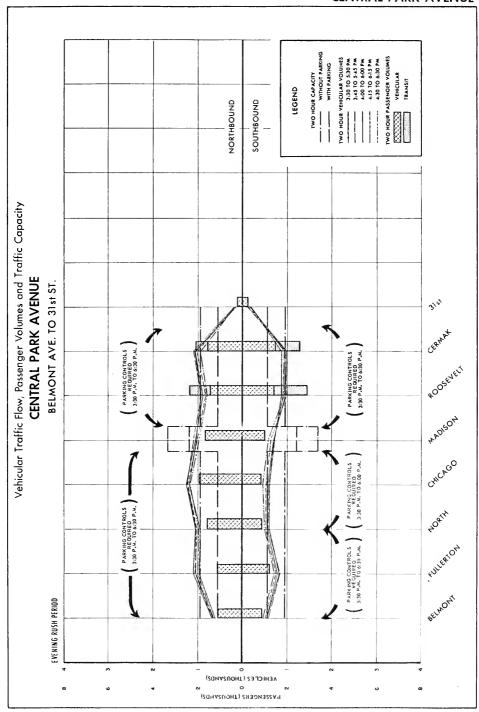


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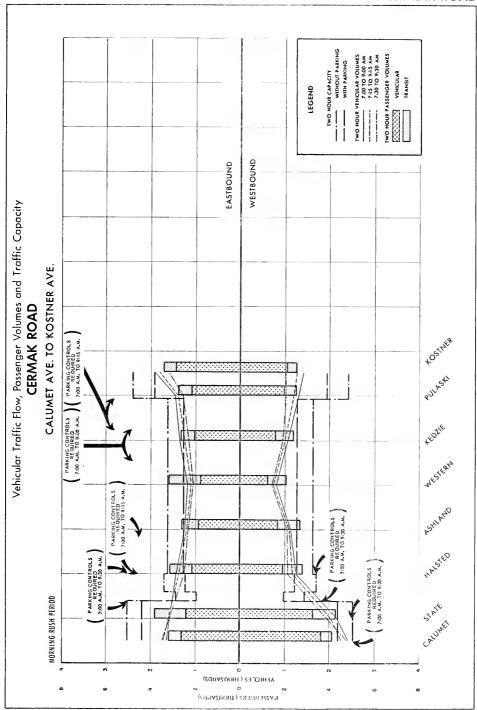




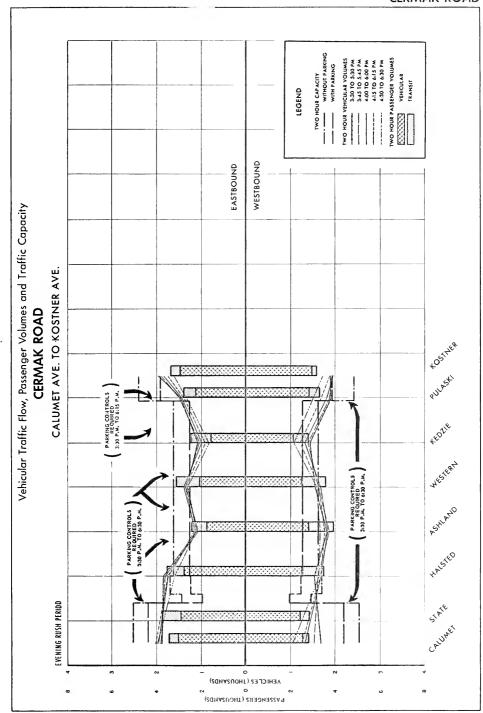




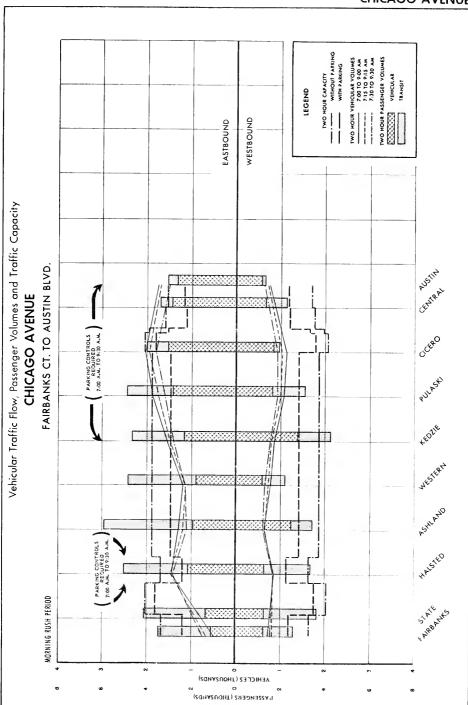
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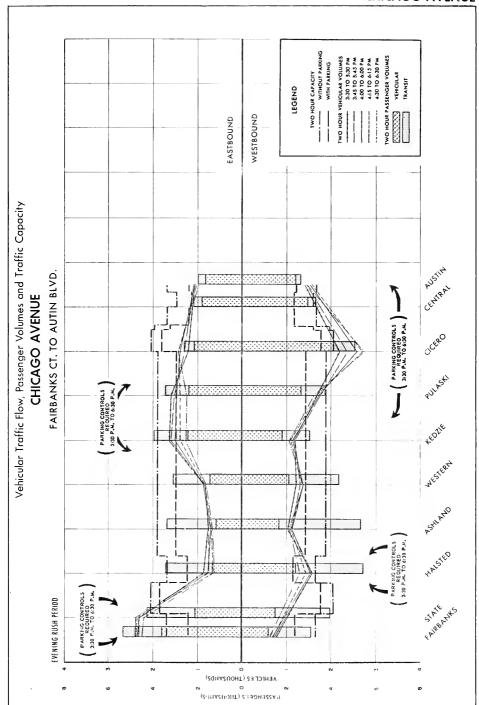


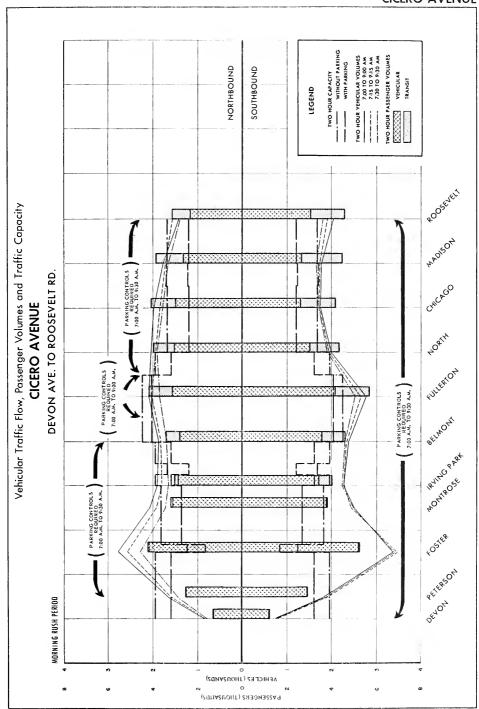


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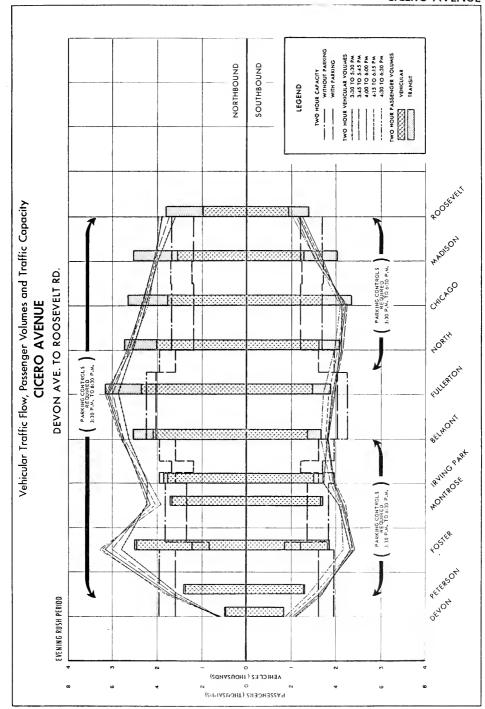


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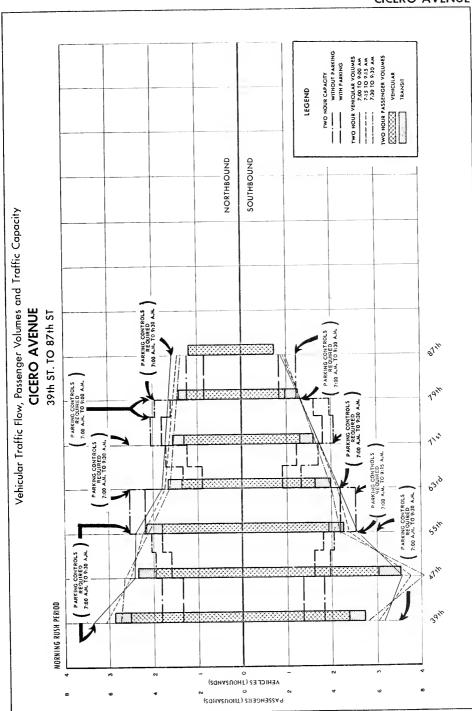


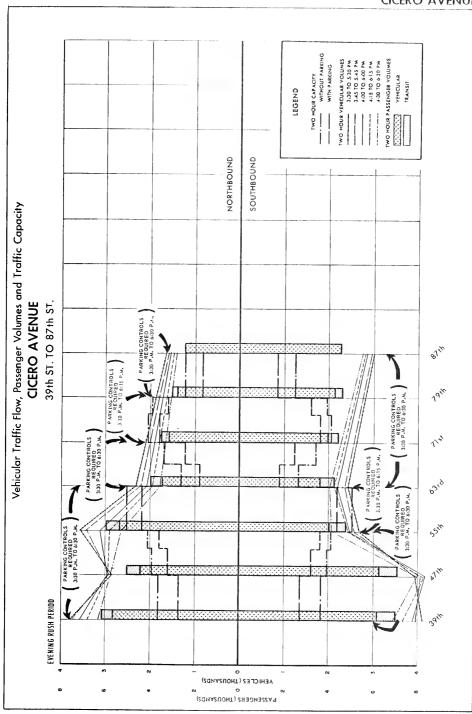


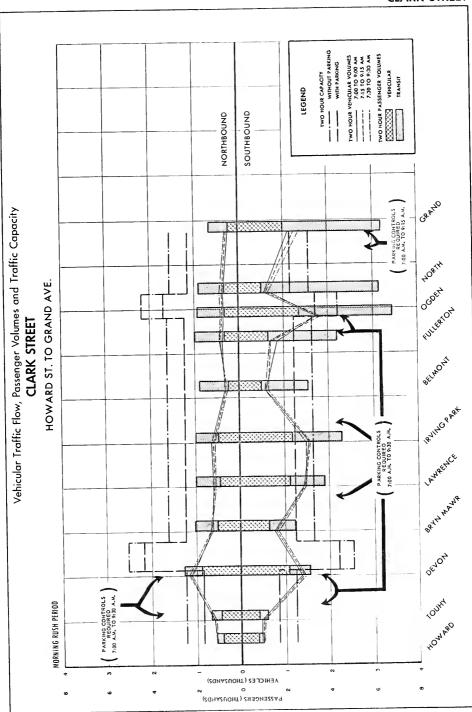


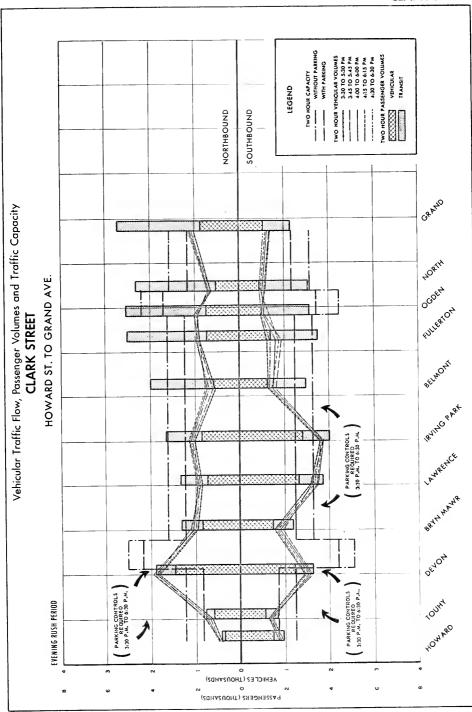


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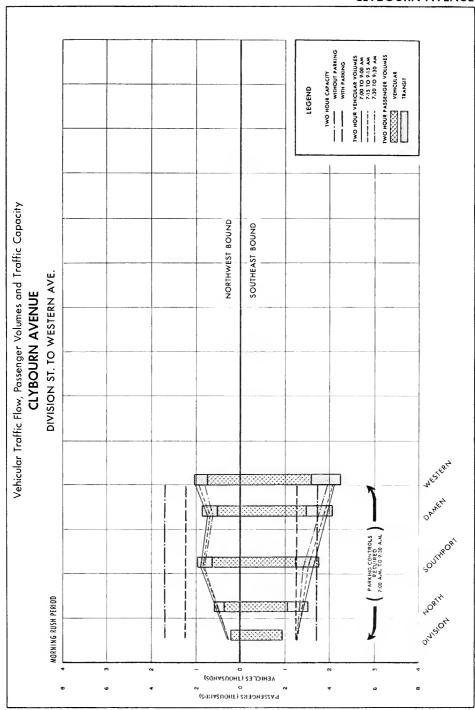


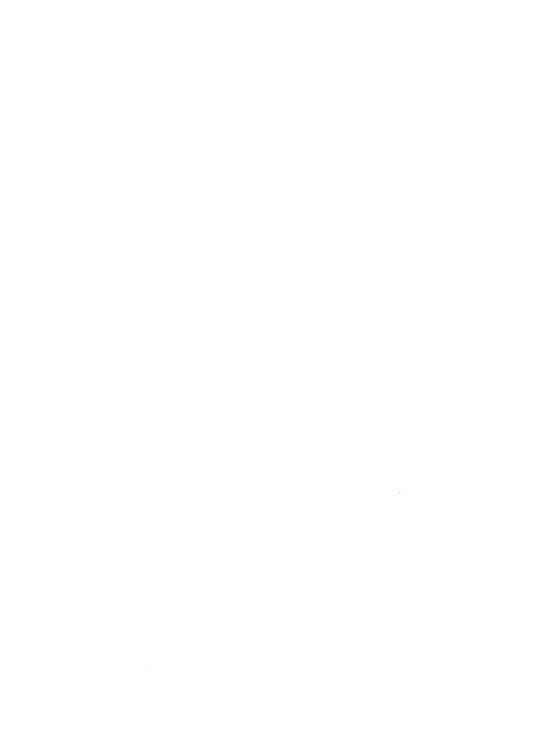


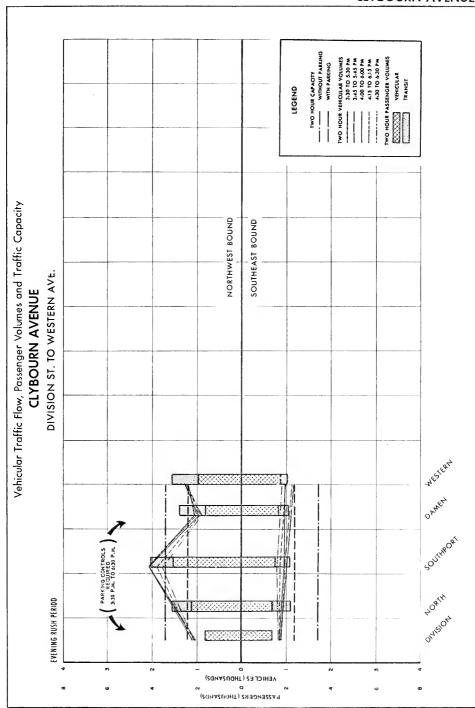




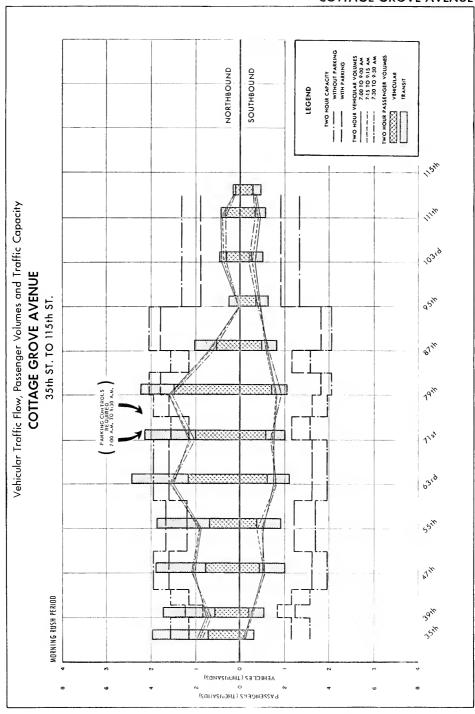




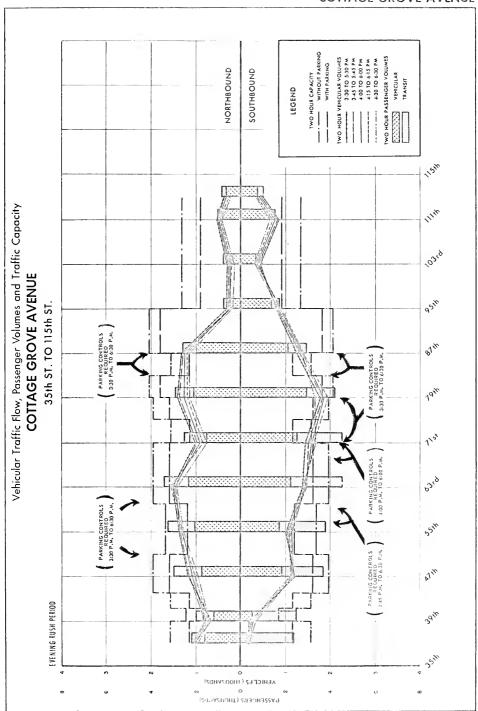


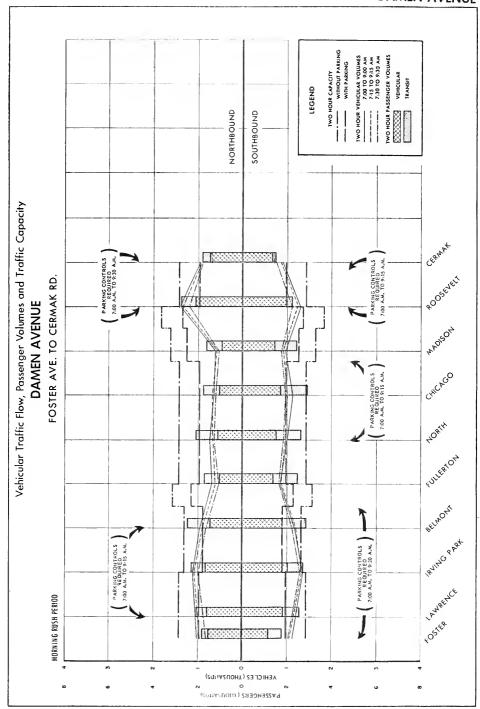


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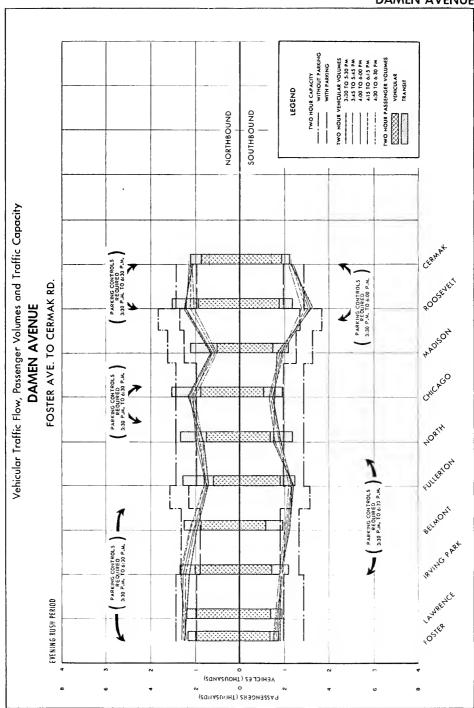




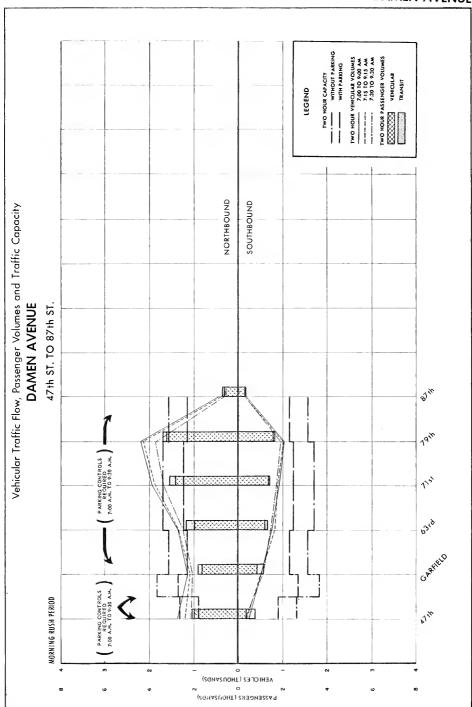




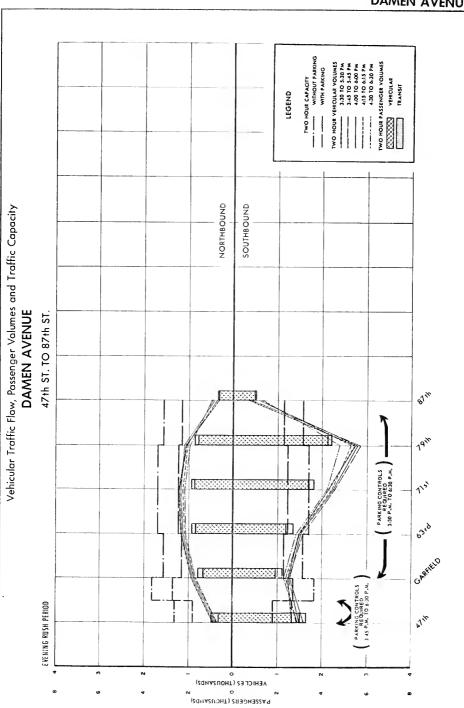




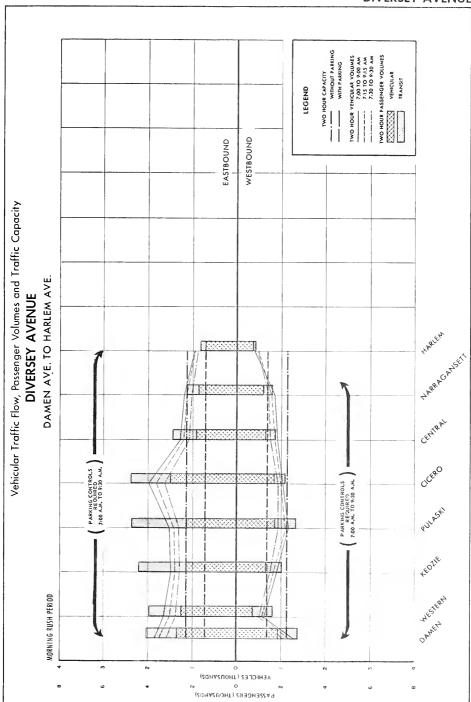
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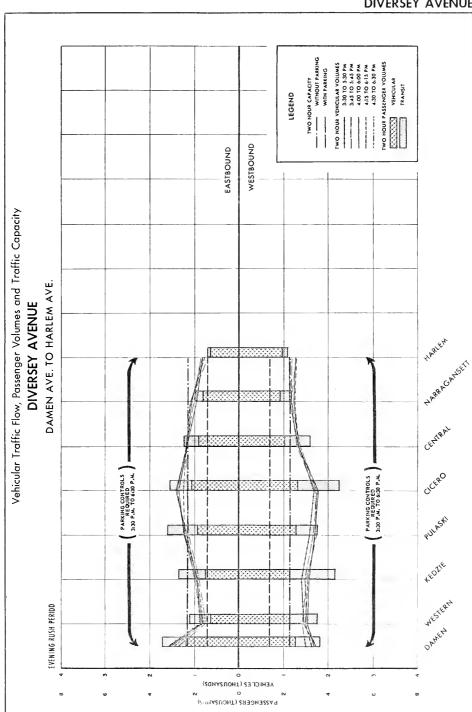
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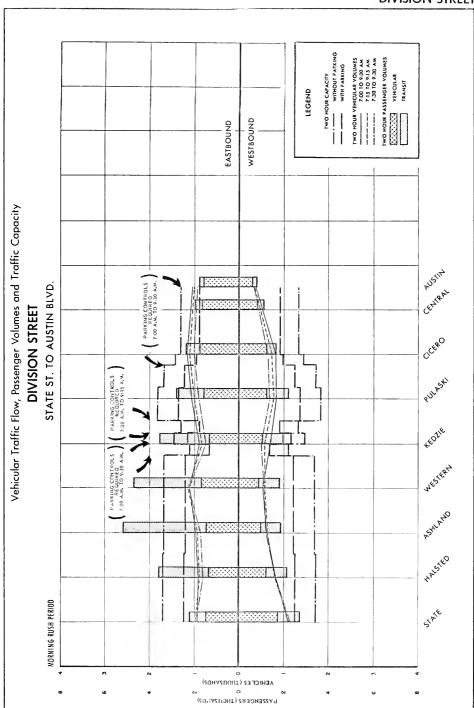
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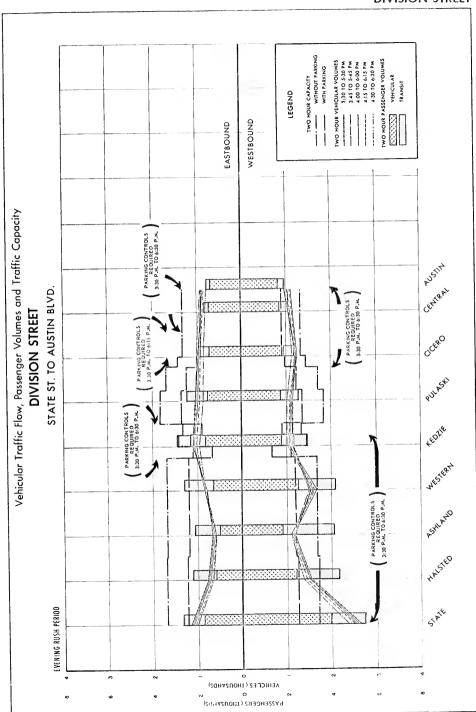
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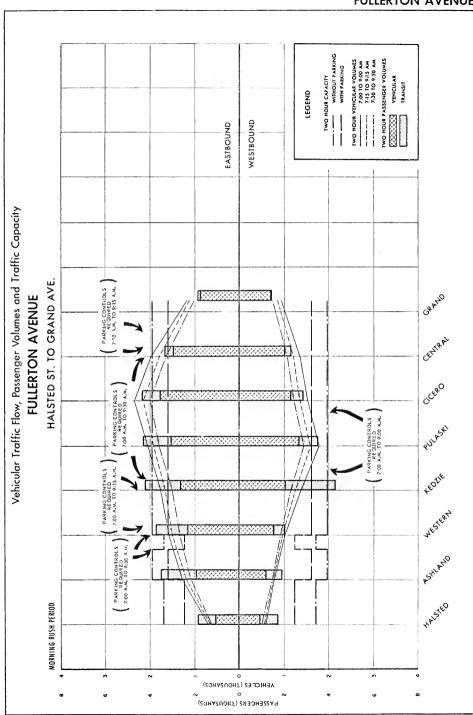




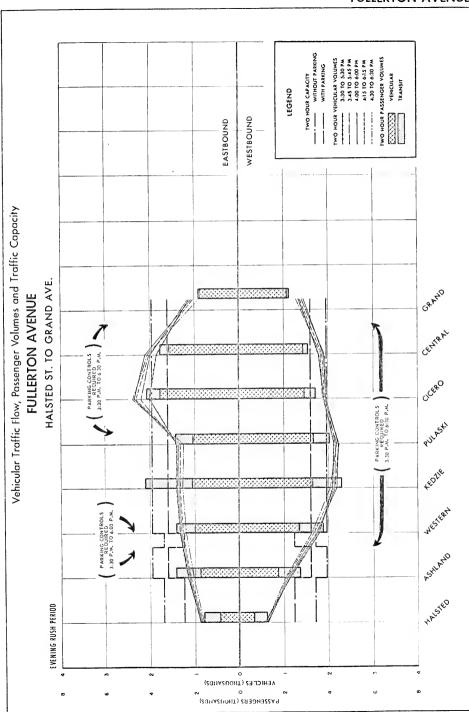


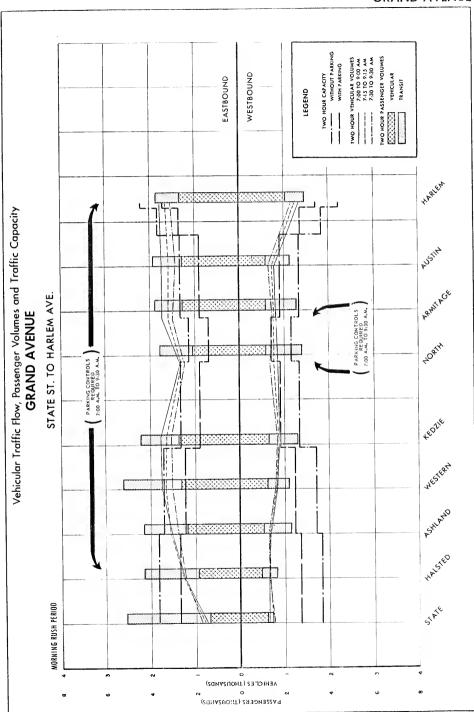


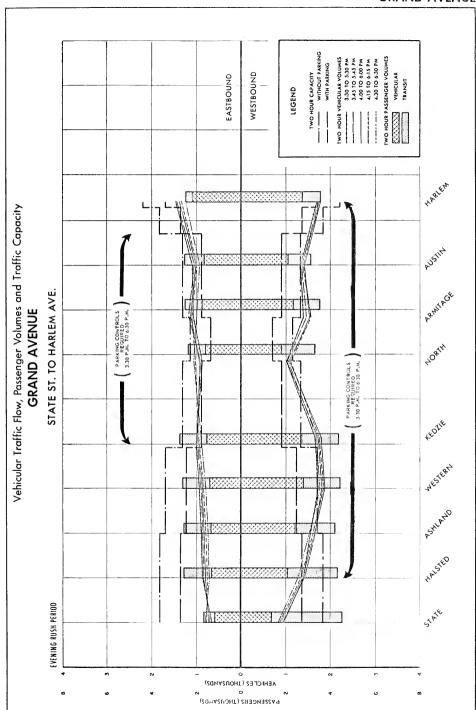
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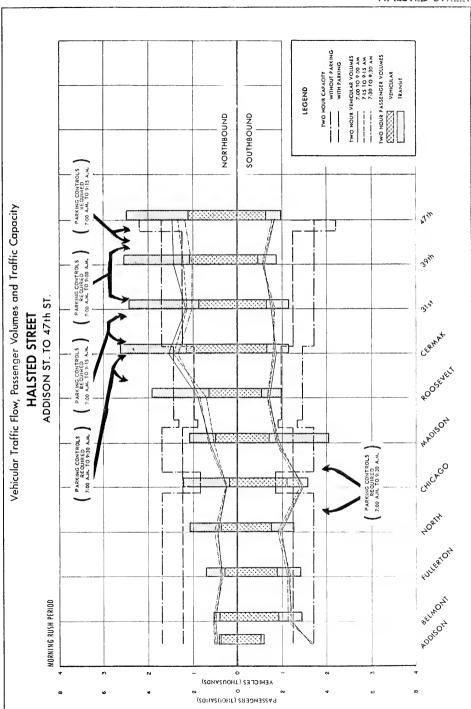




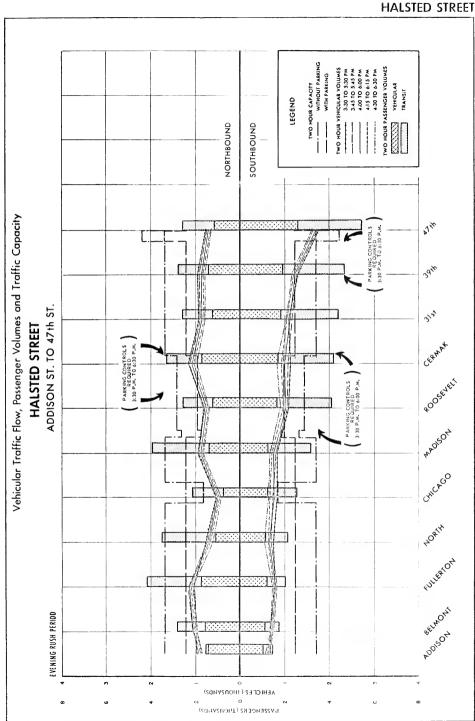




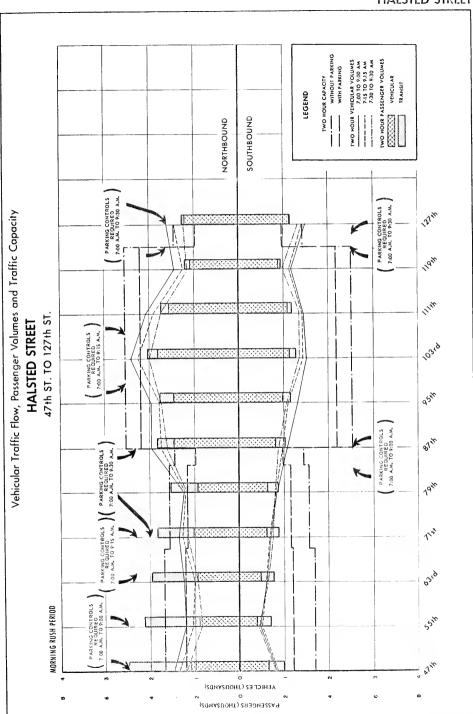
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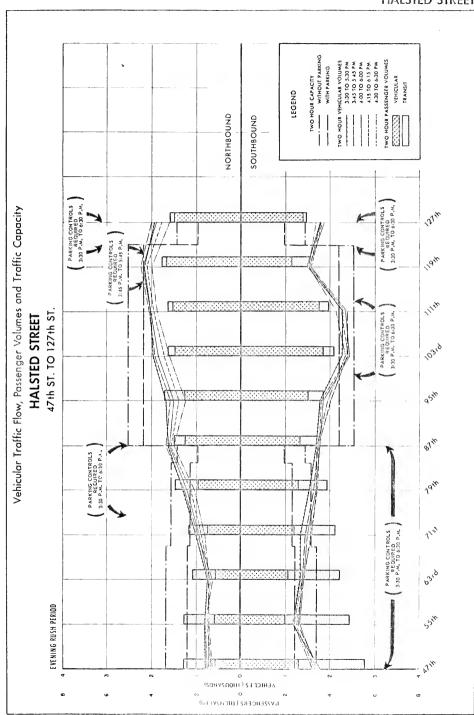


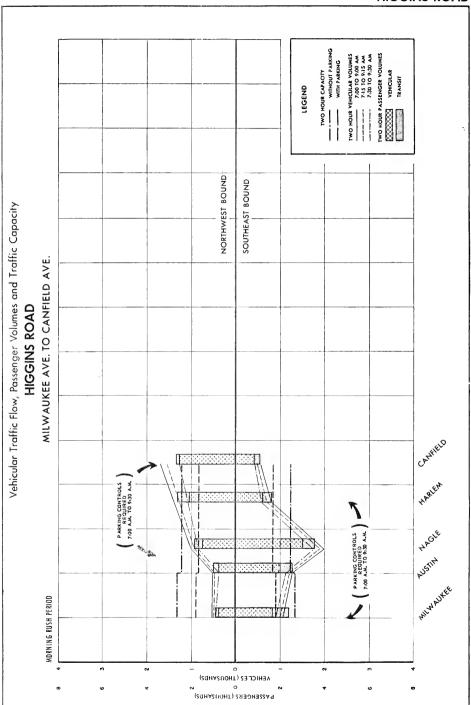


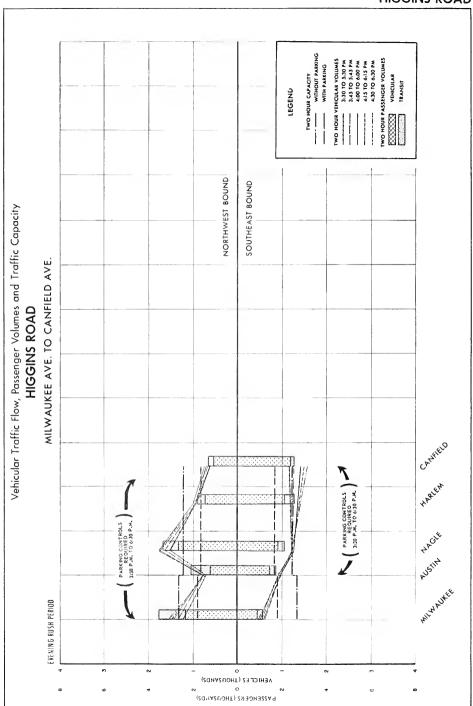


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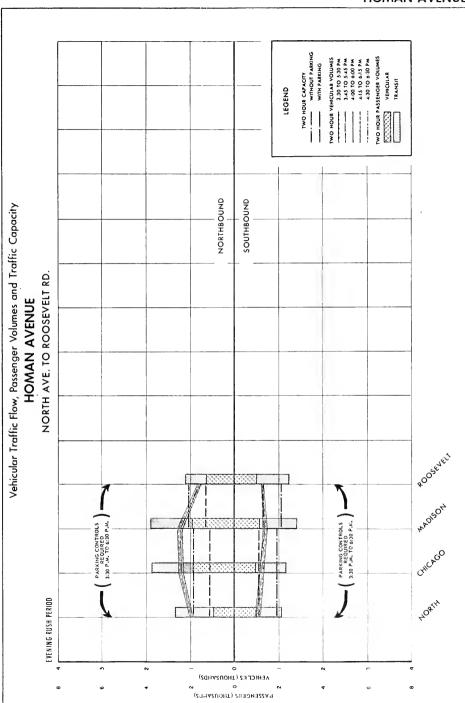




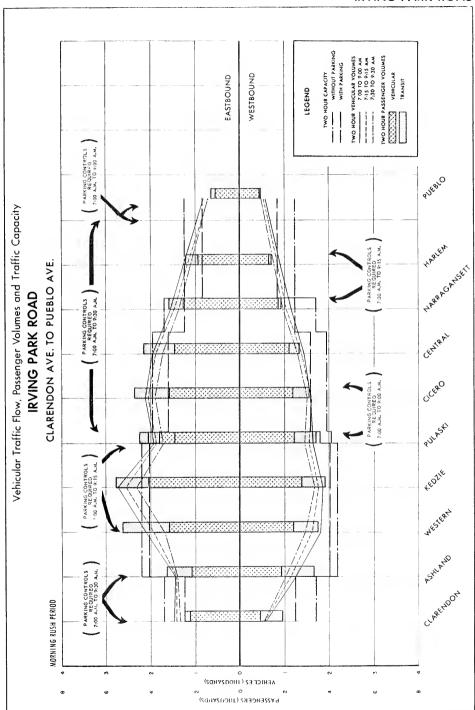




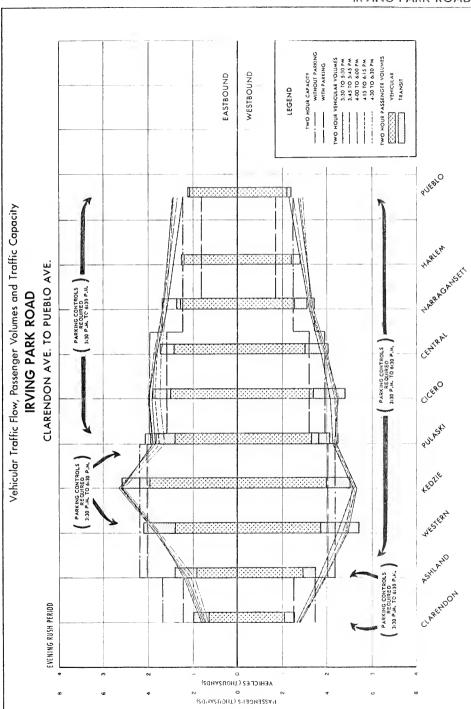
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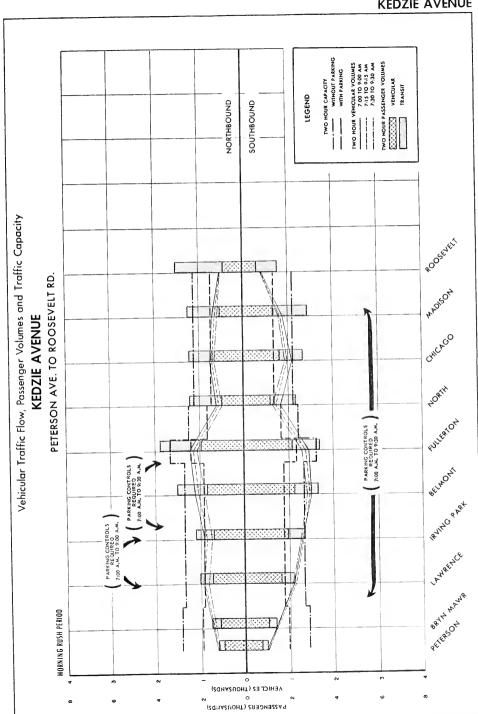
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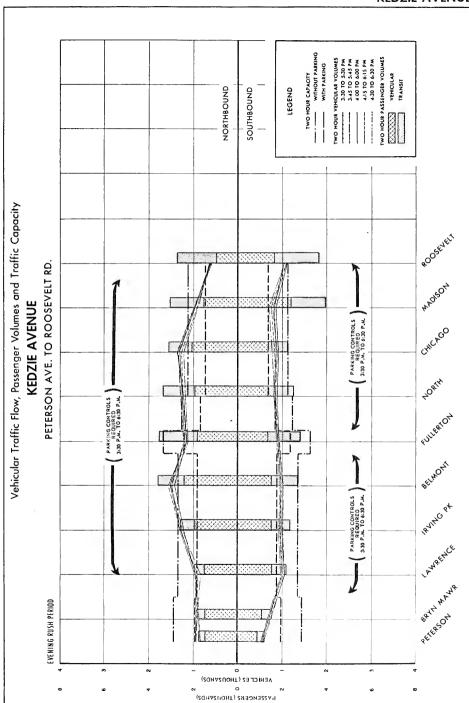
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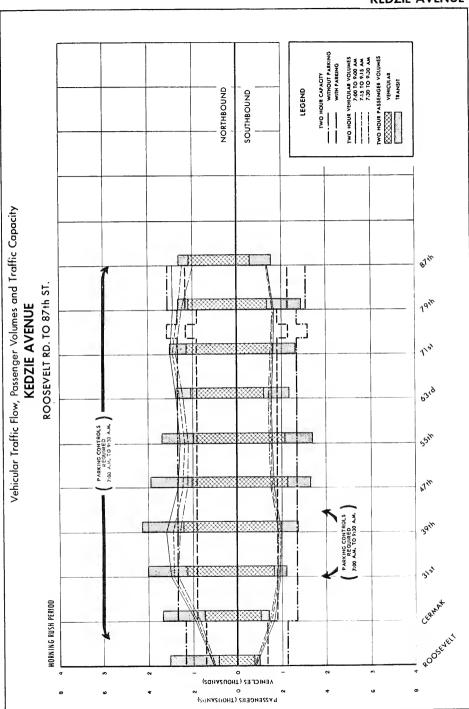




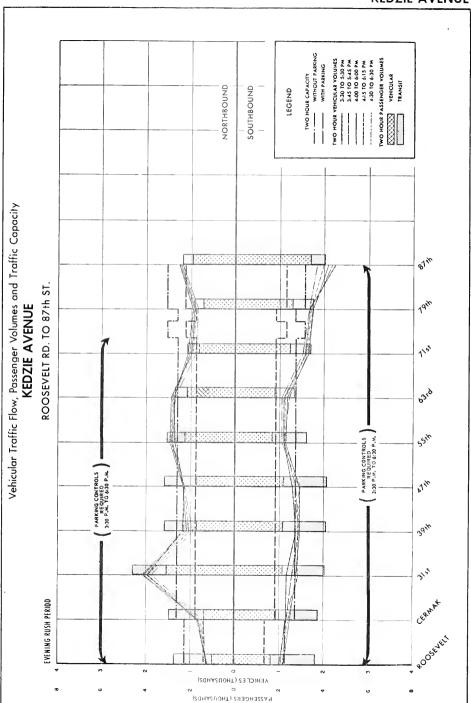
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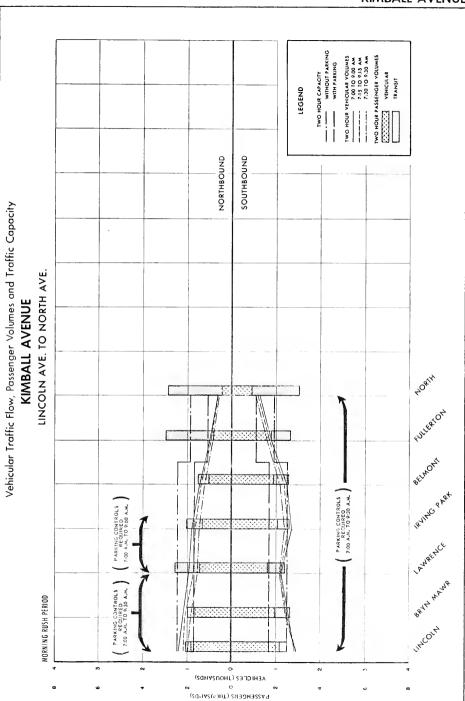
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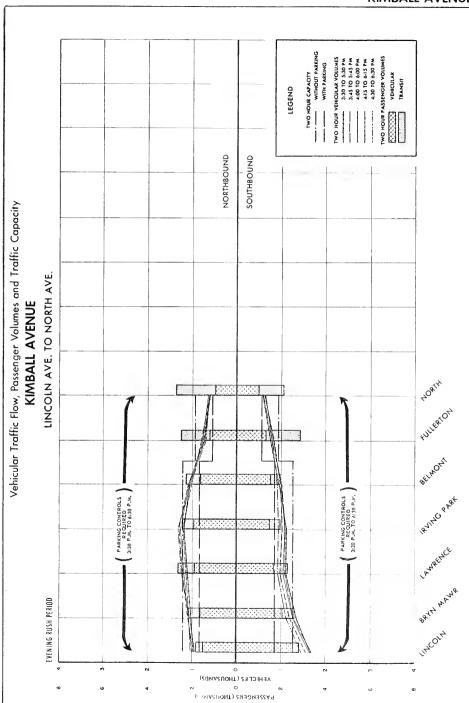
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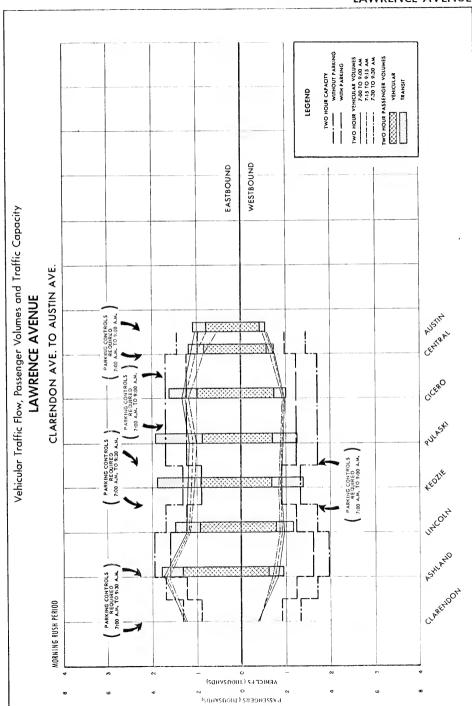
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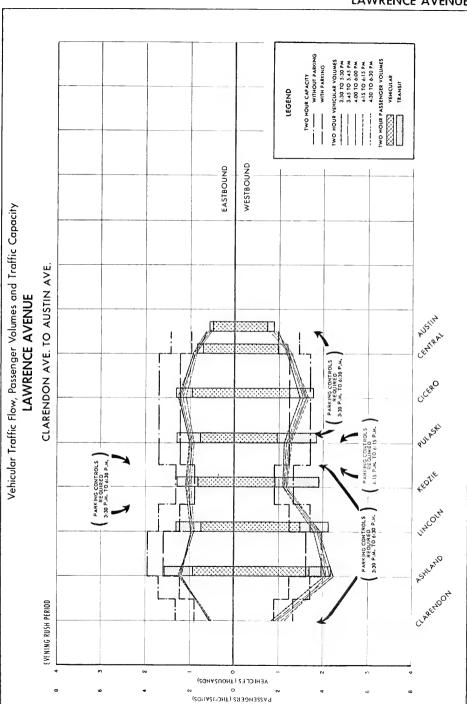


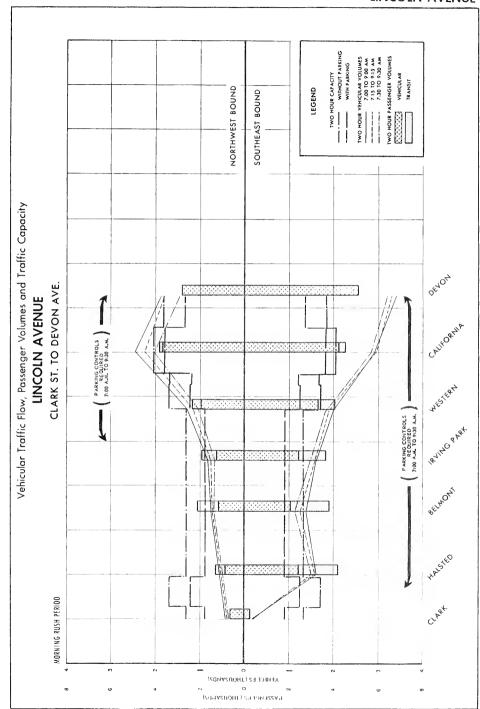


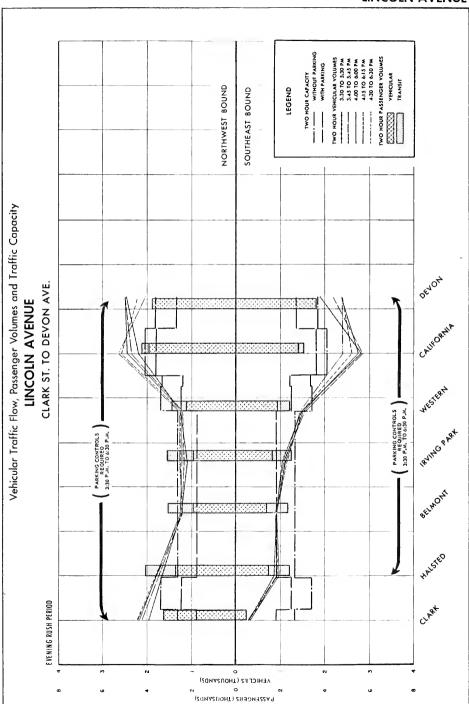


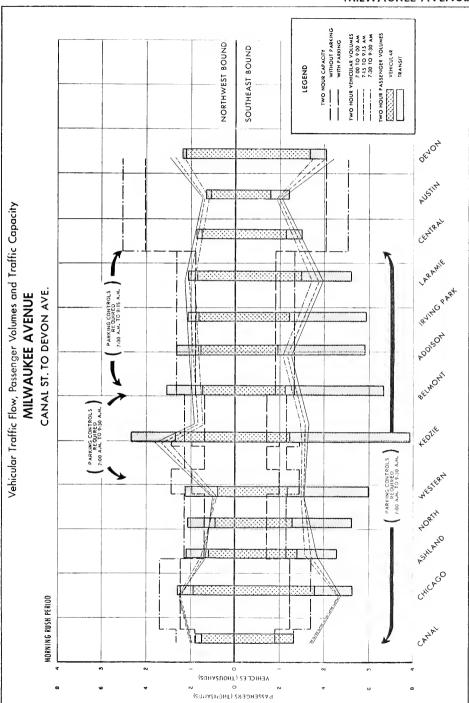






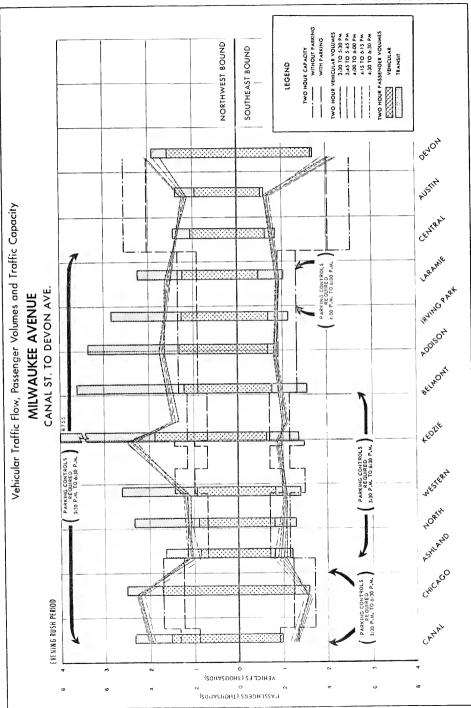


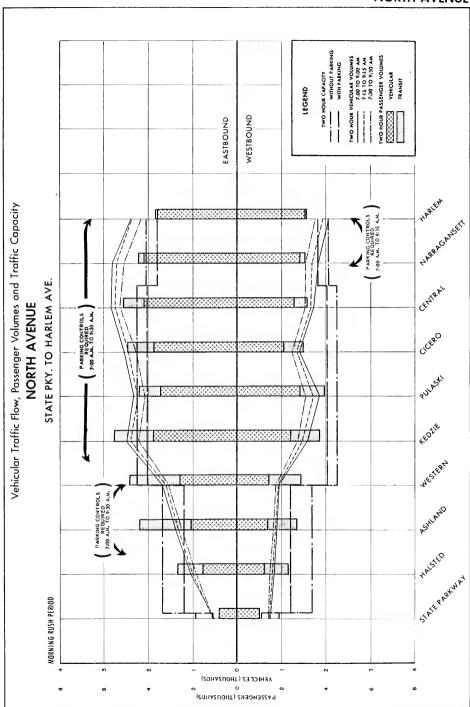




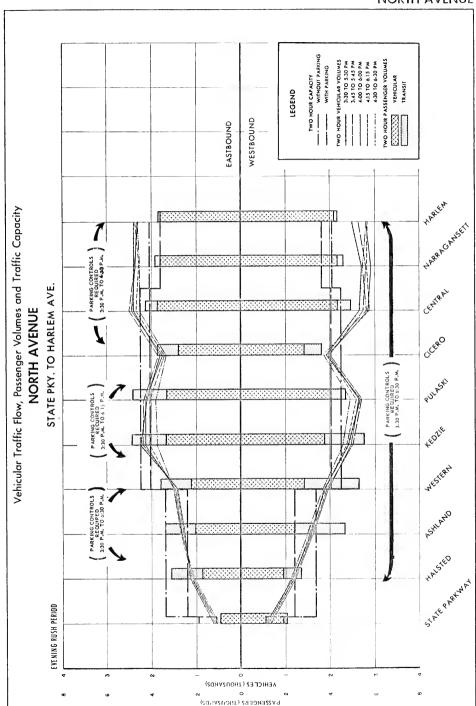
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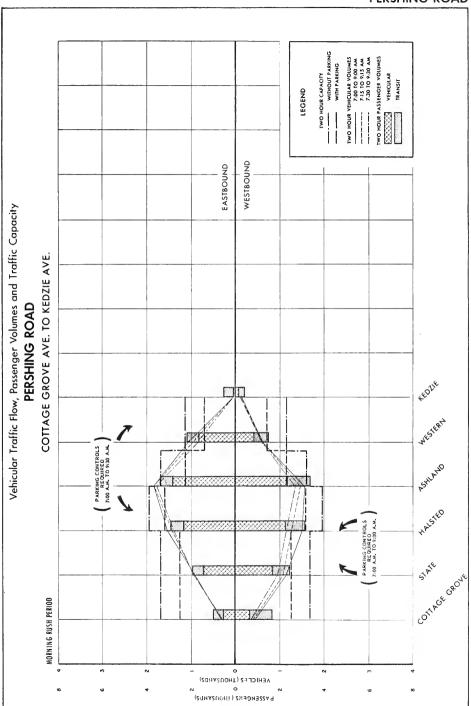
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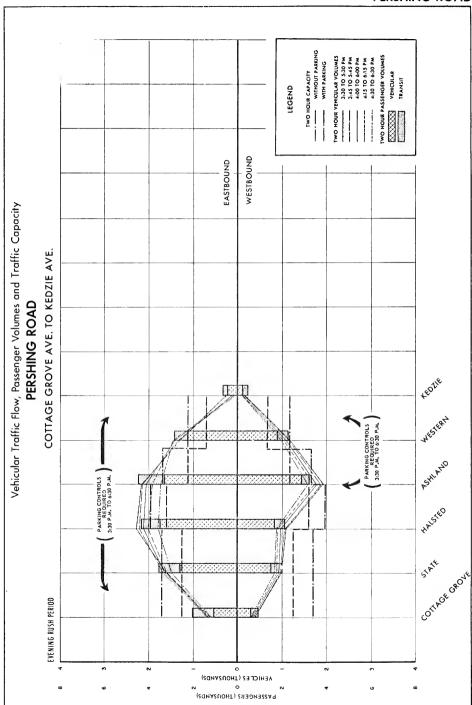


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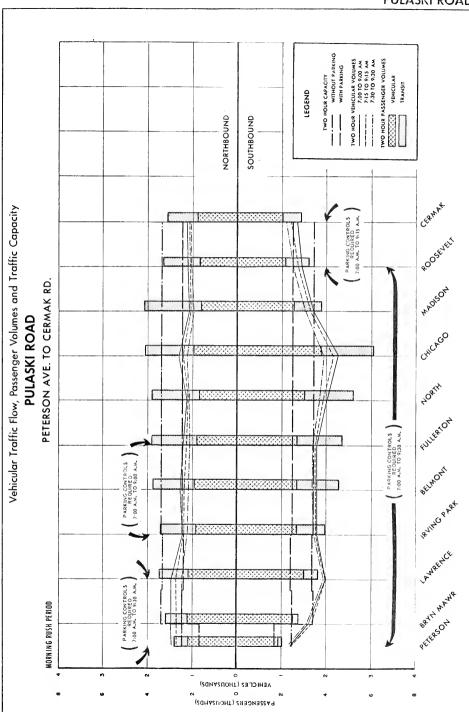




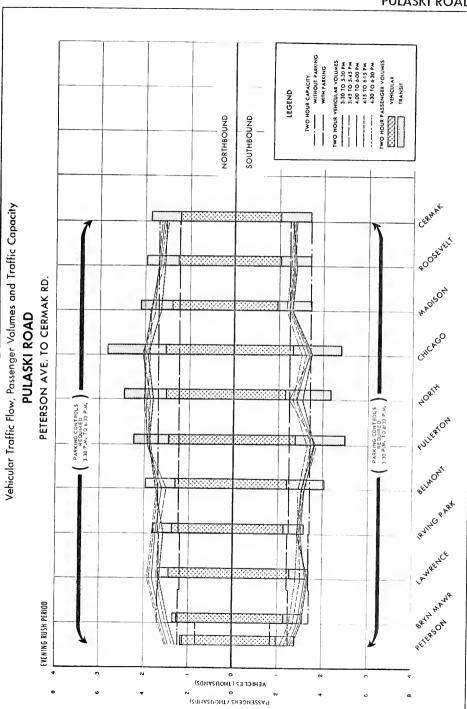
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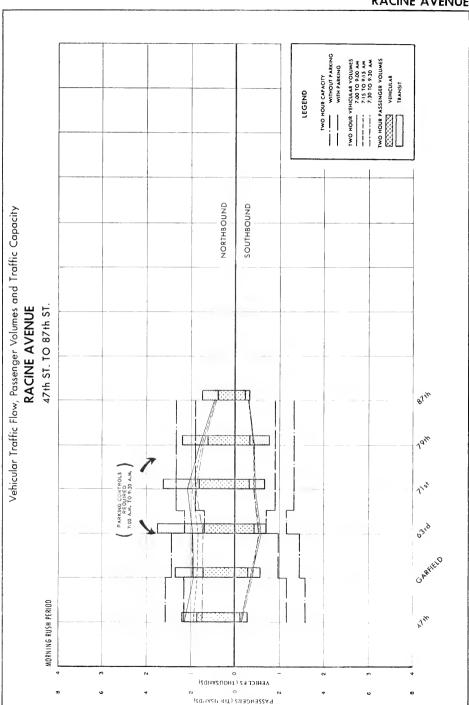


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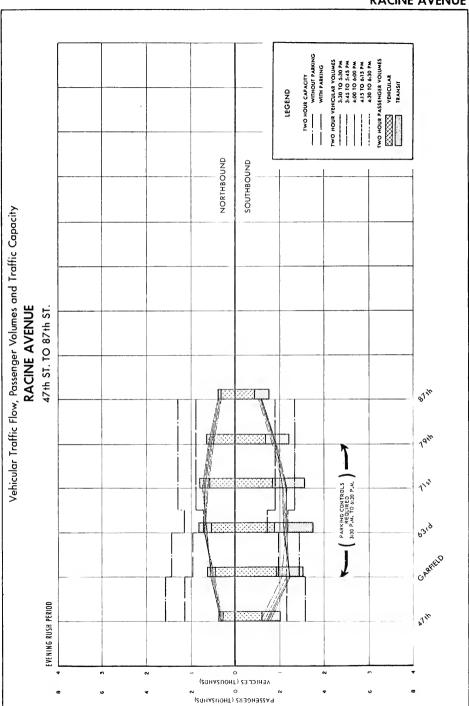


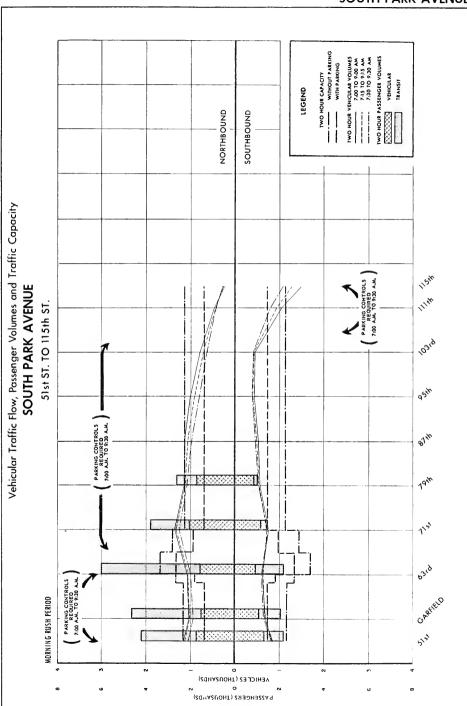


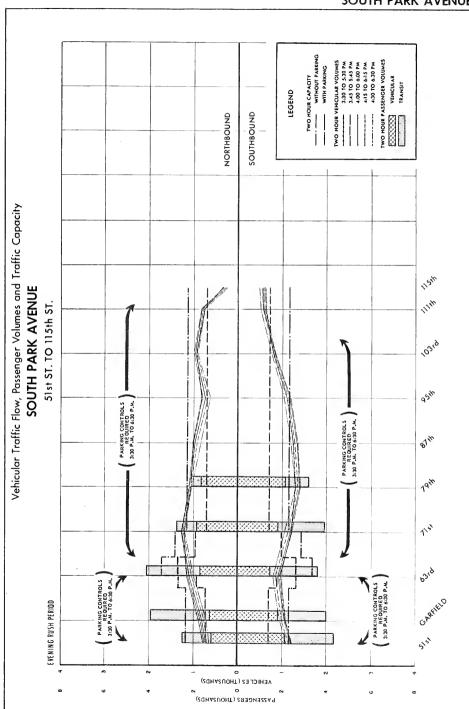


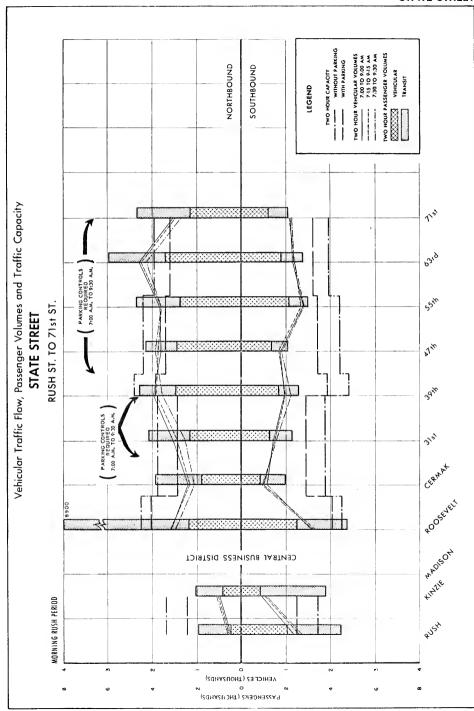


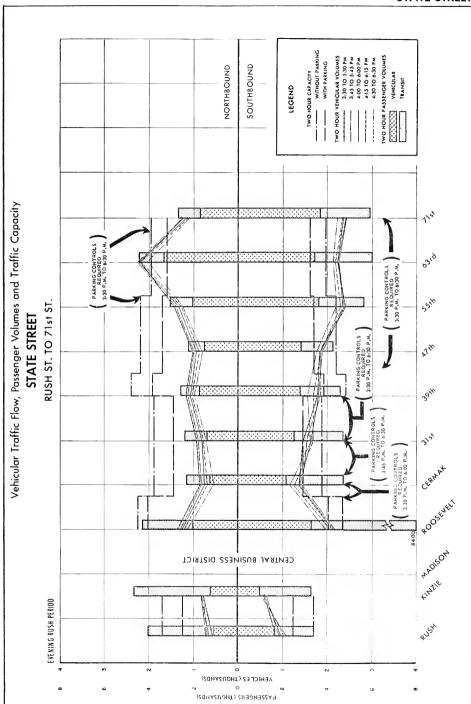
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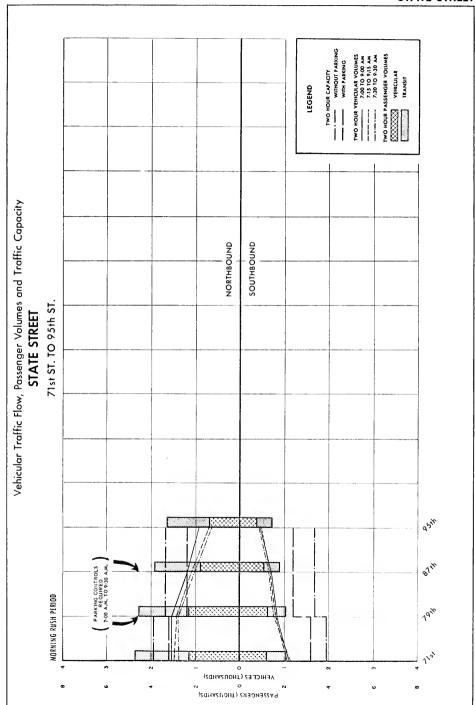




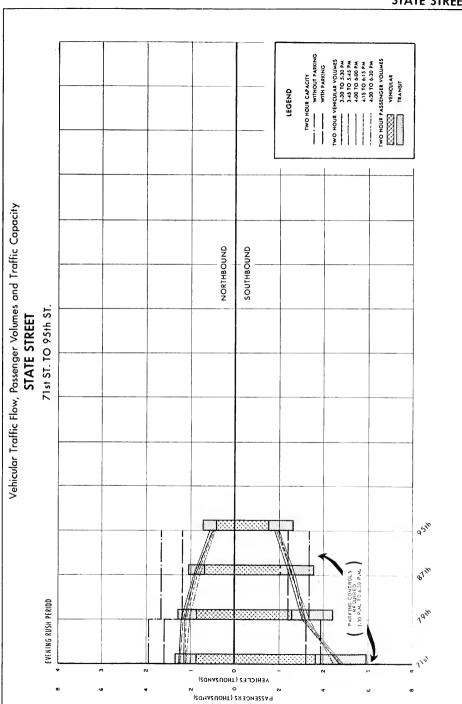




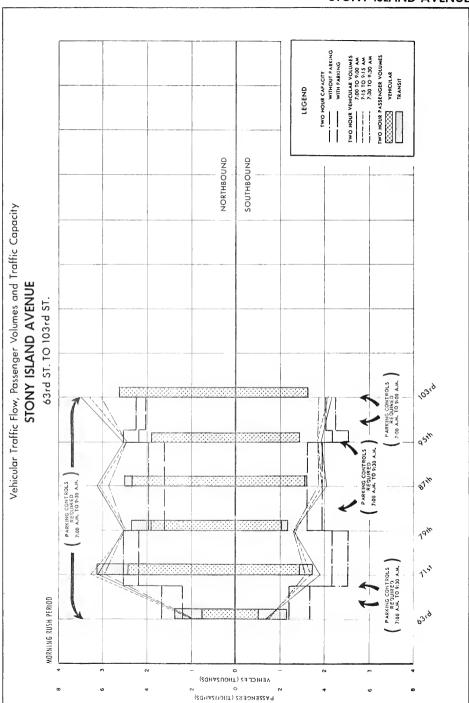


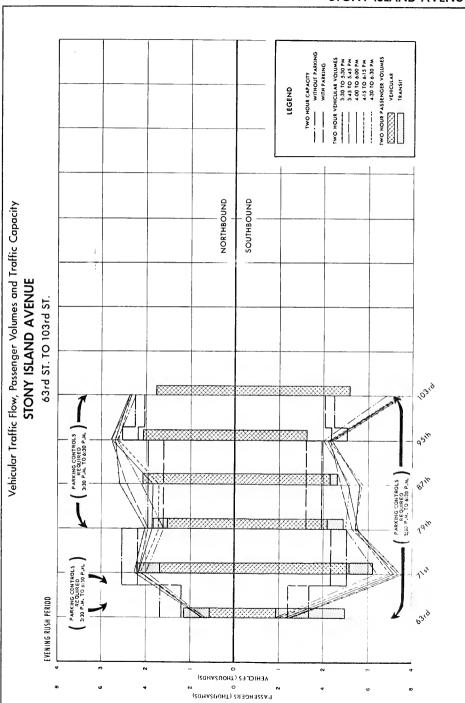


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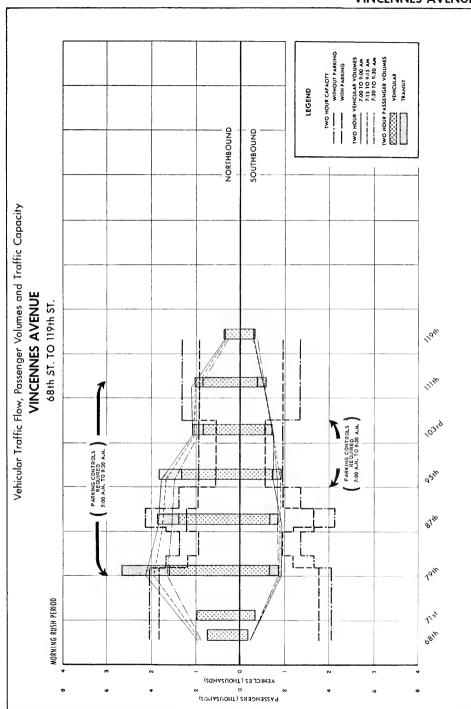


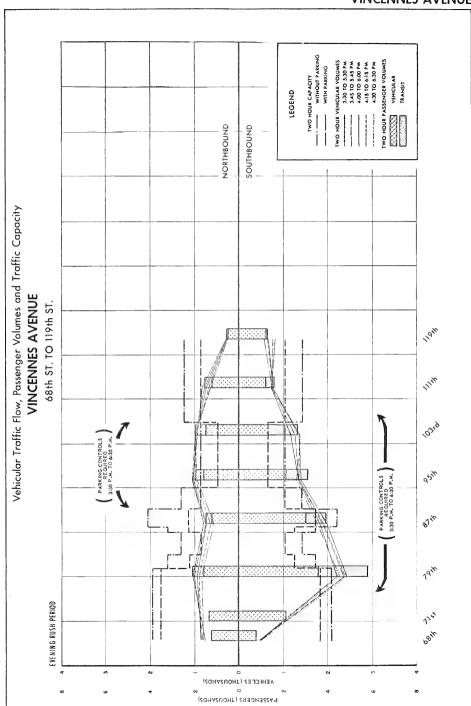
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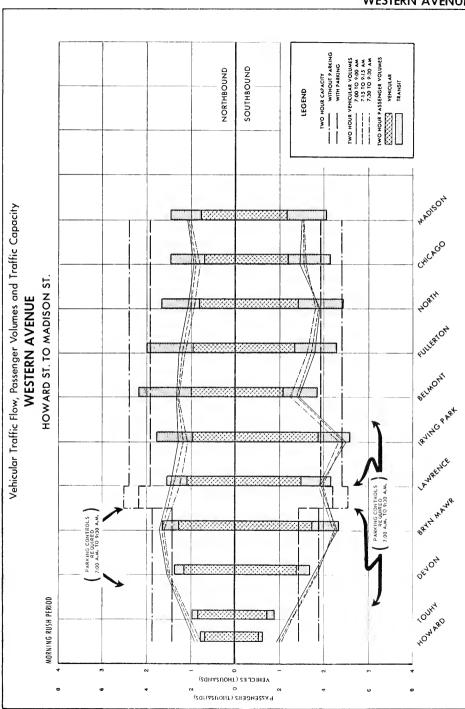


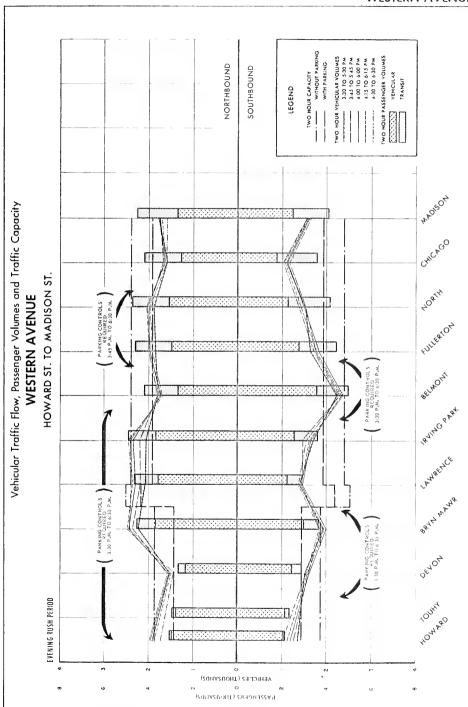
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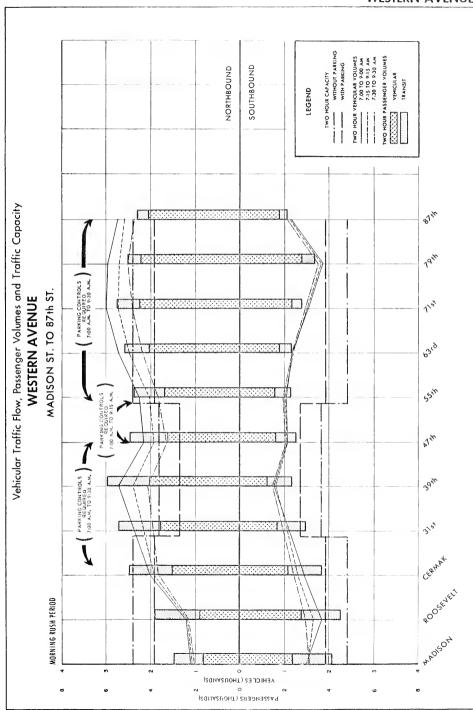


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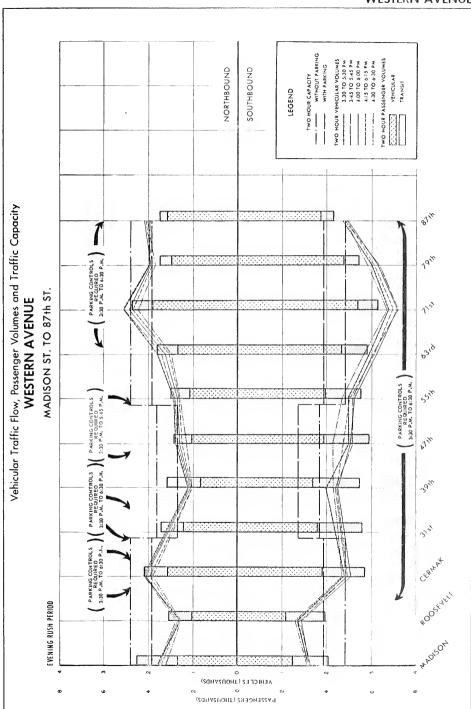




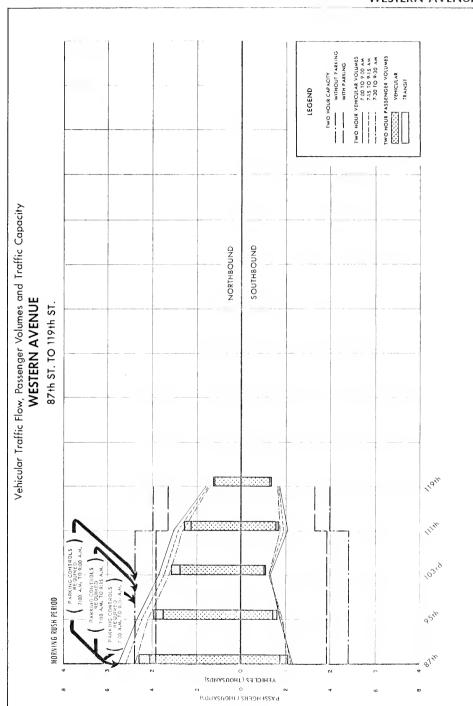
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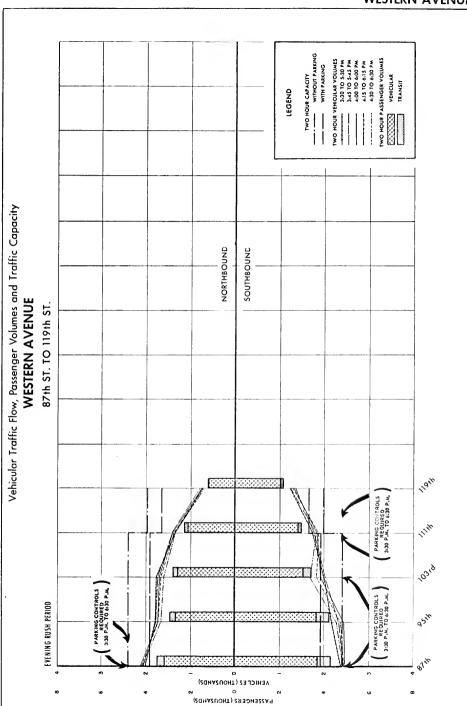




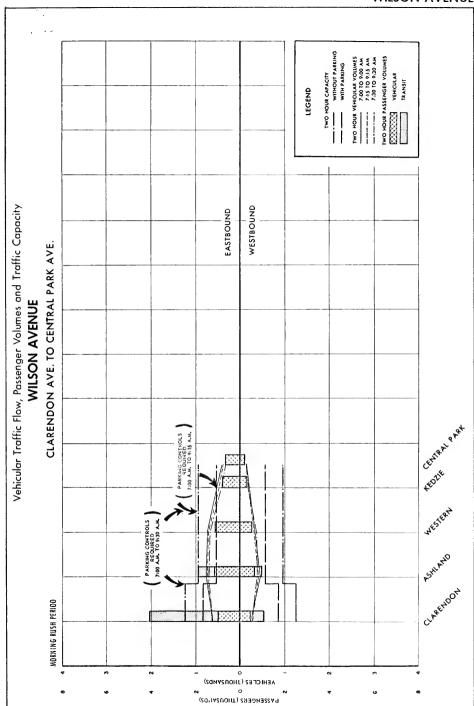
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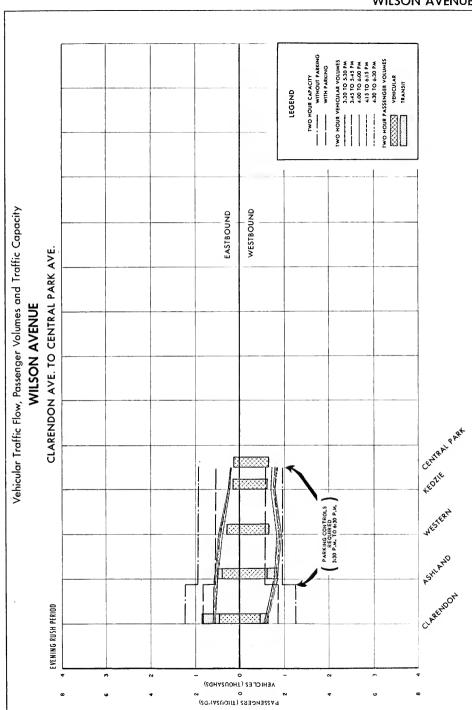


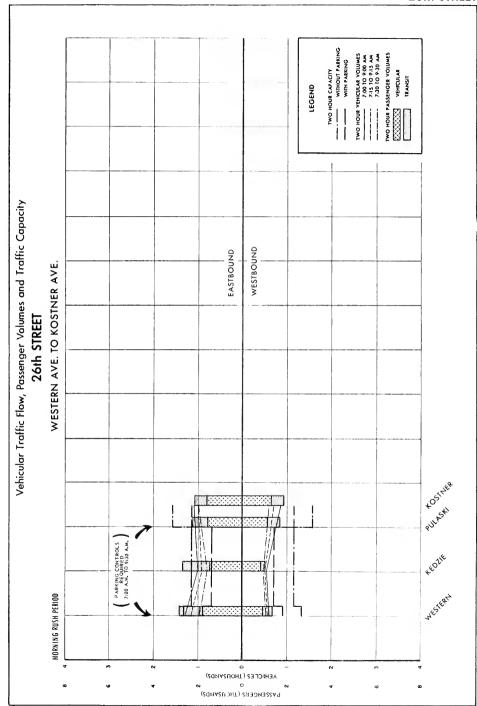
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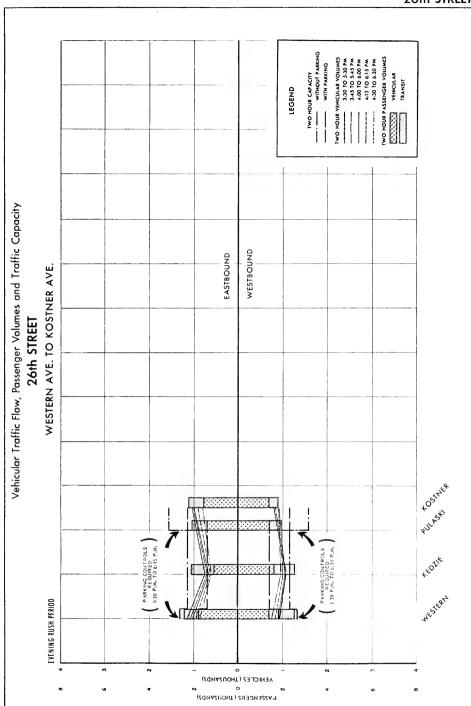
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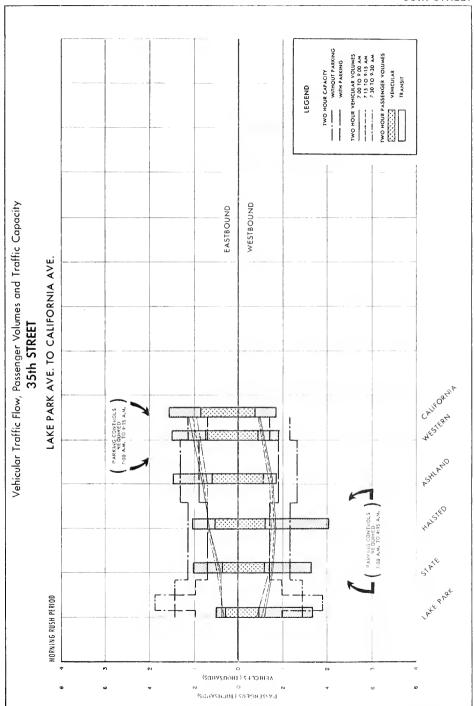




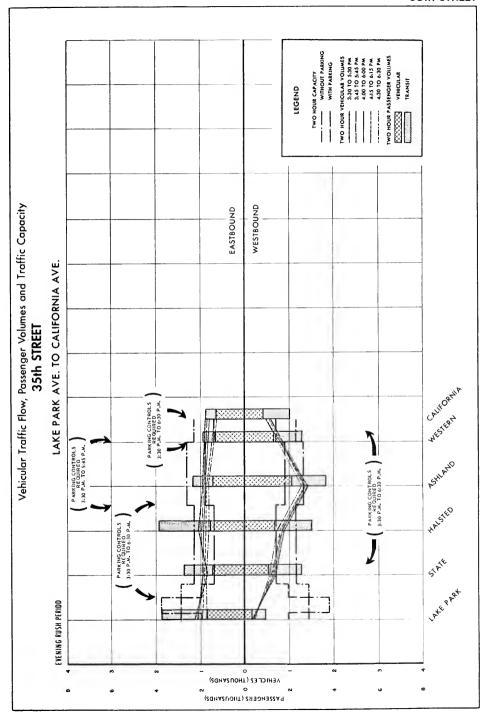
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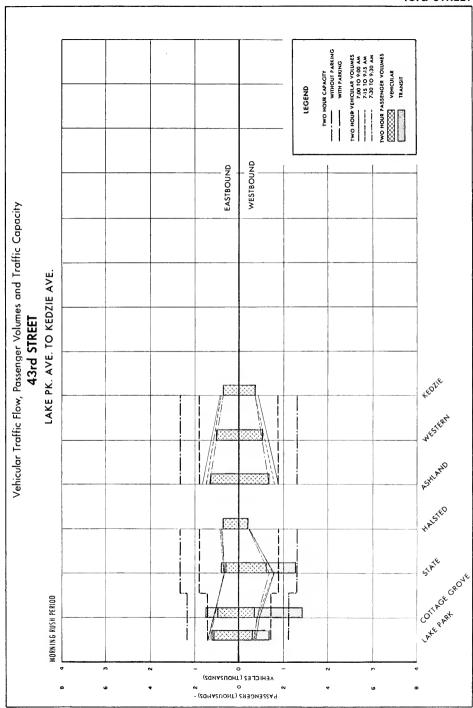




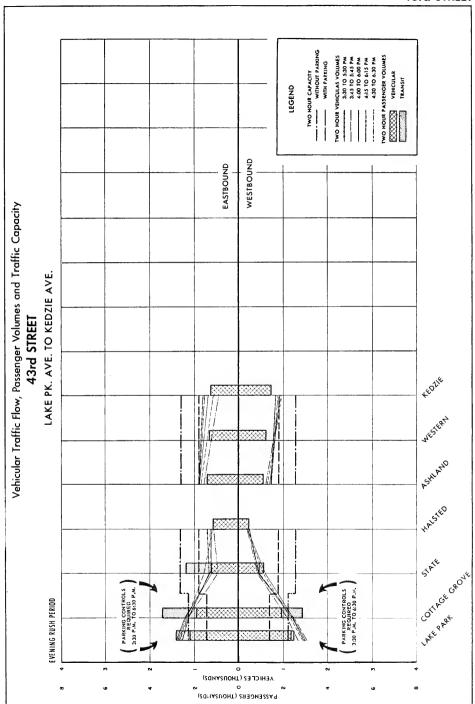
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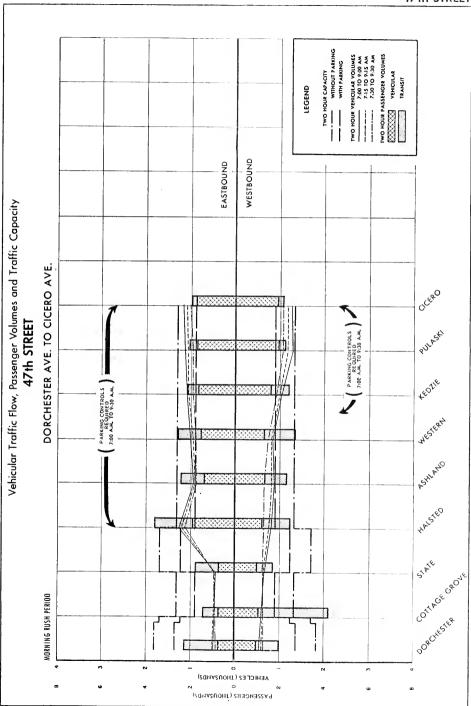


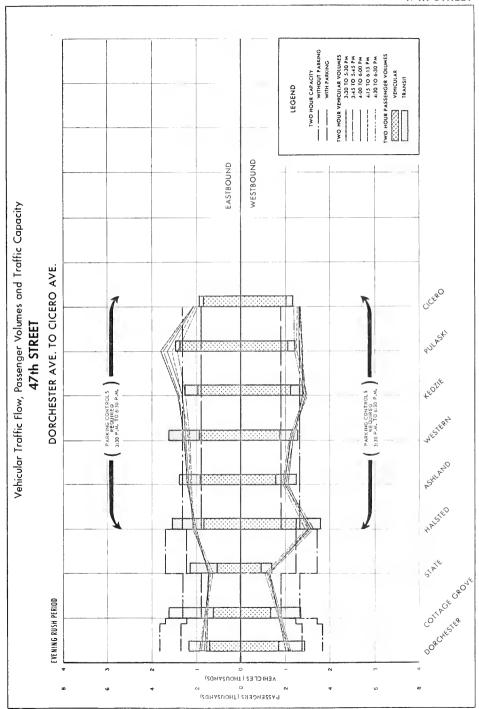


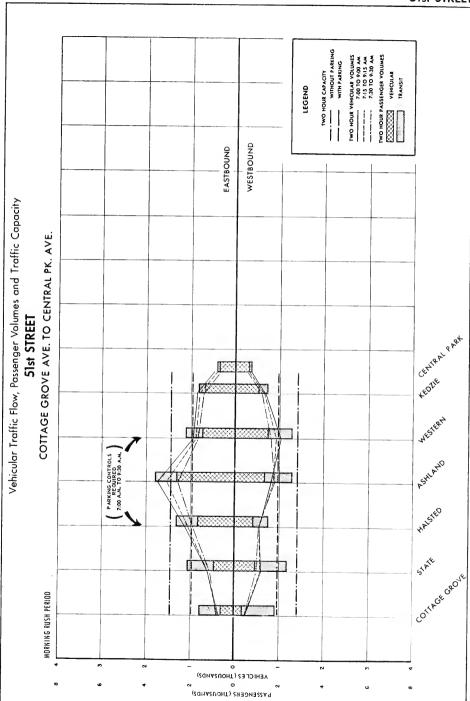




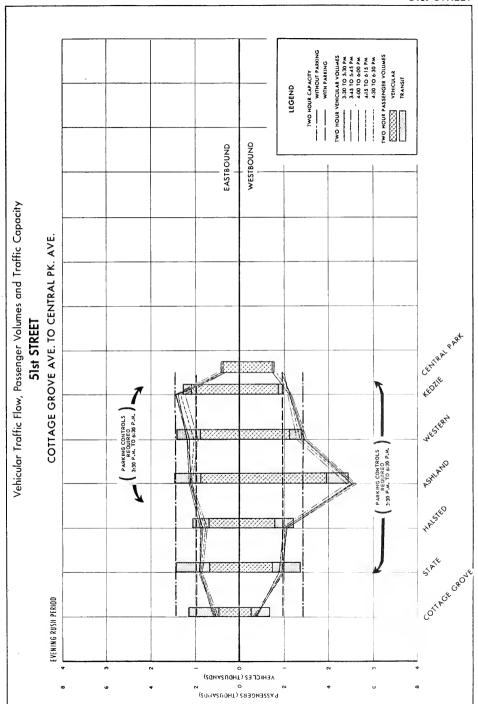
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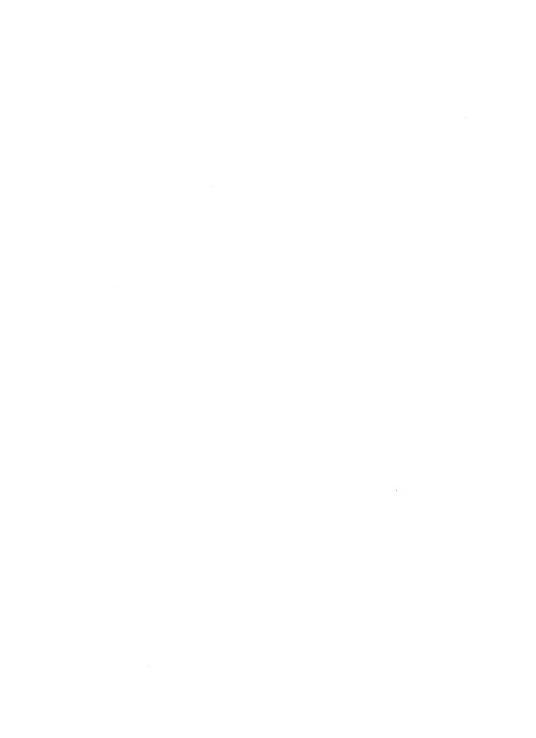


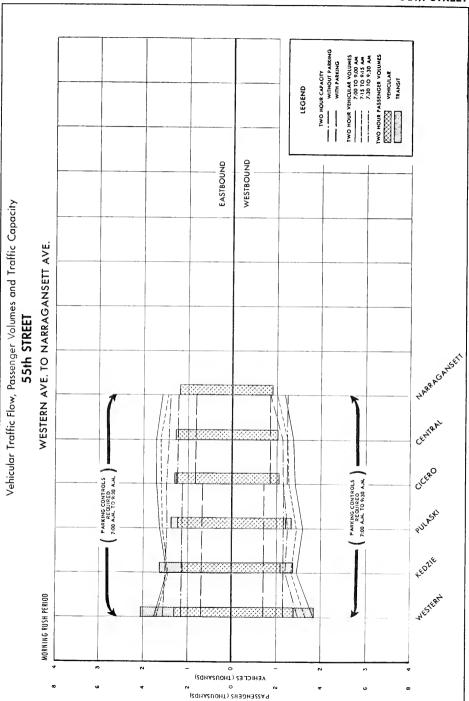




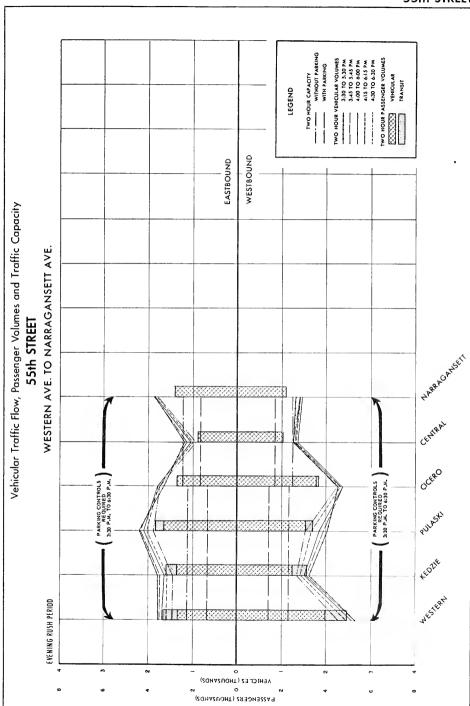
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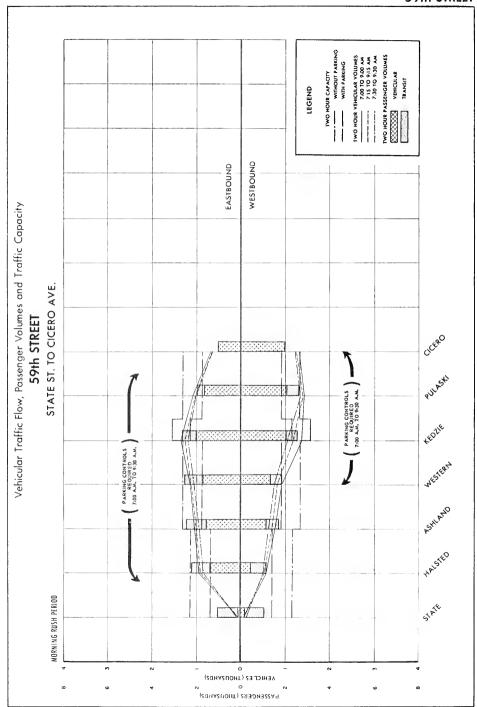


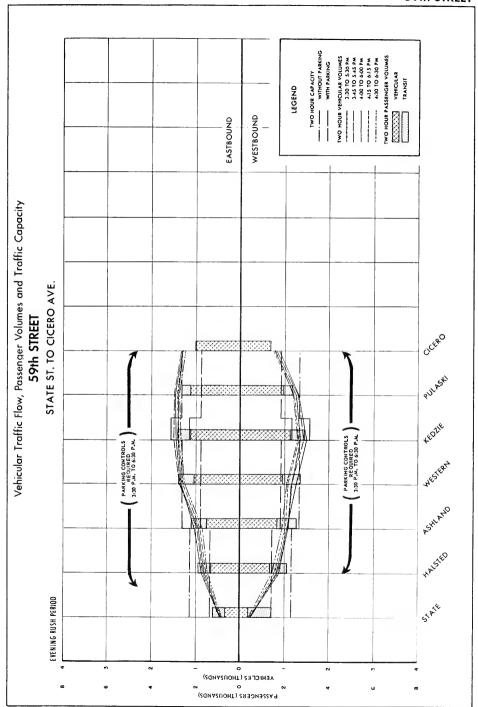




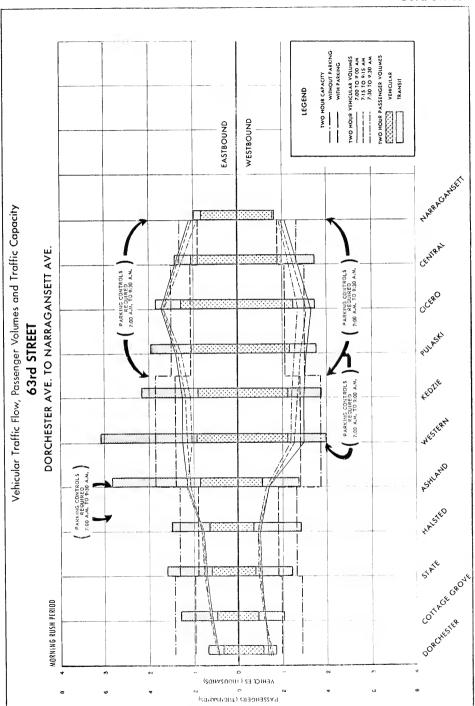




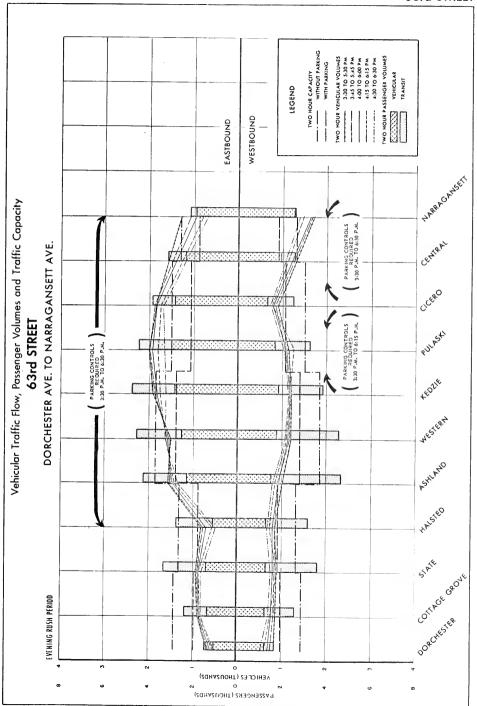




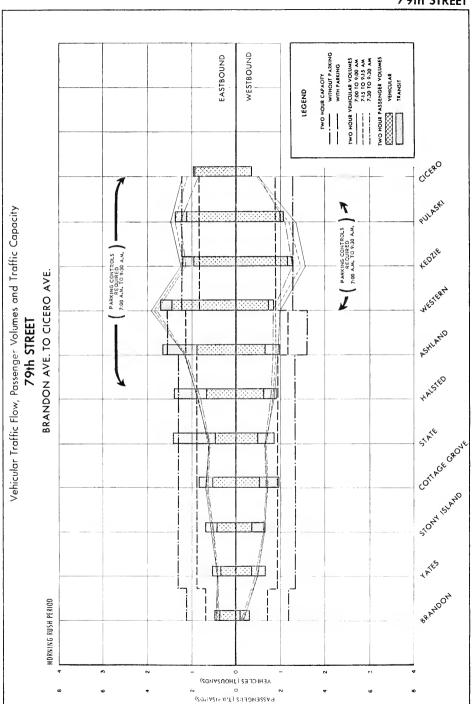
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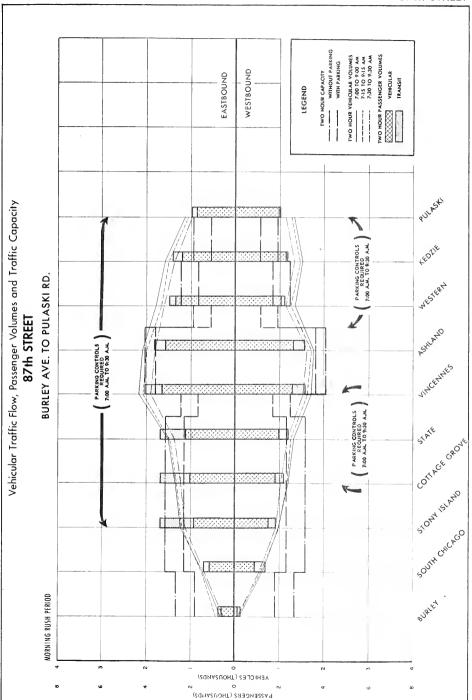
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